


**IECEX QUALITY  
ASSESSMENT REPORT**


Other logos

Report No.:

**C4012944**

QAR No.:

**IT/CES/QAR12.0006/12**

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                  |                                |
|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------|
| <b>Manufacturer</b><br>Include Address with post code      | FENEX S.r.l.<br>Via Carducci, 16<br>I - 34070 Moraro (GO)<br>Italy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                  |                                |
| <b>Locations audited</b><br>Include Address with post code | FENEX S.r.l.<br>Via Carducci, 16<br>I - 34070 Moraro (GO)<br>Italy<br>Audit performed on-site                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                  |                                |
| <b>Product Description</b>                                 | Cable Glands and fittings for electrical installation.<br>Enclosures. Control, command, automation and measurement units<br>Lighting Fixtures                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                  |                                |
| <b>Employee count</b>                                      | Total onsite:94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Total involved in Ex products:94                 |                                |
| <b>Scope of Audit</b>                                      | Initial Assessment <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Surveillance Assessment <input type="checkbox"/> |                                |
|                                                            | Re-Assessment <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Special Assessment <input type="checkbox"/>      |                                |
| <b>Scheme</b>                                              | IECEX <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Spare <input type="checkbox"/>                   | Spare <input type="checkbox"/> |
| <b>Ex equipment with type(s) of protection</b>             | d <input checked="" type="checkbox"/> e <input checked="" type="checkbox"/> i <input checked="" type="checkbox"/> m <input checked="" type="checkbox"/> n <input checked="" type="checkbox"/> o <input type="checkbox"/> p <input checked="" type="checkbox"/> q <input checked="" type="checkbox"/> s <input type="checkbox"/> t <input checked="" type="checkbox"/><br>v <input type="checkbox"/> op <input checked="" type="checkbox"/> c <input type="checkbox"/> b <input type="checkbox"/> k <input type="checkbox"/><br>Other (specify) <input type="checkbox"/> |                                                  |                                |
| <b>Audit Team Leader</b>                                   | Sergio G. Giugno                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                  |                                |
| <b>Audit Date</b>                                          | November 13 <sup>th</sup> 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                  |                                |

**Contents:**

- 1 Summary Report
- 2 Audit information
- 3 Documentation Review and Assessment of Implementation
- 4 Certificate List



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(Roberto Piccin)



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## 1. Summary Report

### Assessment Summary and Conclusions:

(State the most important **results** and **conclusions** of the quality assessment)

The manufacturer's production site operates with:

- ISO 9001:2015 compliant quality management system which is certified by accredited body (see par.2.4):
- Notification of products quality assurance, CESI 06 ATEX 070 Q, according to annex VII of the Directive 2014/34/EU:

First issue 2006/11/13 - Expiration date 2027/11/13.

This assessment has been carried out in conjunction with:

- Reassessment audit relevant to ISO 9001 quality management system.
- Reassessment audit relevant to ATEX quality assurance of production process.

To fulfil the requirements of the standard ISO/IEC 80079-34, which complements the standard ISO 9001, the requirements of the ISO 9001 have been taken into account for the assessment where there were no further requirements by the standard ISO/IEC 80079-34.

This assessment has been carried out together with the assessment audit relevant to the Notification of products quality assurance, according to annex VII of the directive 2014/34/EU and the standard EN ISO/IEC 80079-34.

**Next Quality Audit due : October 2025**

### Non-Conformities

(Indicate the Serial No.(s) of non-conformities recorded. Individual non-conformities are recorded on the non-conformity report (F-002))

**NCR No.(s):**

**QAR is valid until: 2027/11/13**

This QAR can be withdrawn, if the manufacturer does not satisfy the production quality assurance assessment.

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**IT/CES/QAR12.0006/12****Audit Team Leader Recommendations***(Delete where not applicable)*

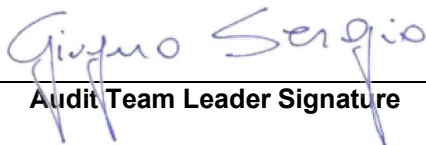
☒ **Notification / Certification to be issued/maintained** once satisfactory technical assessment of the product is completed and a test report is issued

☐ **Notification / Certification to be issued/maintained\*** following receipt of satisfactory documentary evidence supporting effective corrective action, and a test report is issued. Corrective action to be verified at next surveillance visit

☐ **Notification / Certification to be issued/maintained\* following a satisfactory follow-up visit** and verification that corrective actions have been effectively documented and implemented, and test report issued.

☐ **Notification / Certification to be refused/suspended\*** A further complete assessment to be conducted

☐ **Notification / Certification to be refused/suspended\*** Close the application/withdraw the notification and inform the Scheme Administrator or other Notified Bodies.

  
Audit Team Leader Signature

  
Technical Reviewer



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## 2. Audit Information

### 2.1 Scope of Audit:

**Type A** initial assessment/reassessment of manufacturer **with** a certified QMS\* ☒

**Type B** initial assessment/reassessment of manufacturer **without** a certified QMS ☐

**Type C** surveillance of manufacturer **with** a certified QMS\* ☐

**Type D** surveillance of manufacturer **without** a certified QMS ☐

\* where manufacturer has a certified quality system, include certification/registration body, date of registration, certificate No. and scope or append a copy of the certificate (including scope)

|                                                                                                                                        |   |                                                                                                                                                                                                                                                                      |  |
|----------------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>2.2 Audit Criteria</b><br>List any other <u>reference documents</u> , against which Audit was conducted in addition to IECEx OD 208 | : | <b>ISO/IEC 80079-34, Ed. 2.0:2018</b> Potentially explosive atmospheres – Application of quality systems"; <input checked="" type="checkbox"/>                                                                                                                       |  |
|                                                                                                                                        |   | <b>EN ISO/IEC 80079-34:2020</b> "Potentially explosive atmospheres – Application of quality systems"; <input checked="" type="checkbox"/>                                                                                                                            |  |
|                                                                                                                                        |   | <b>BS EN 80079-34:2020</b> "Potentially explosive atmospheres – Application of quality systems"; <input type="checkbox"/>                                                                                                                                            |  |
|                                                                                                                                        |   | <b>EN ISO 9001:2015</b> "Quality management systems – Requirements"; <input checked="" type="checkbox"/>                                                                                                                                                             |  |
|                                                                                                                                        |   | <b>Operational Document n. IECEx OD 025 - Edition 3.1 2017</b> "Guidelines on the Management of Assessment and Surveillance programs for the assessment of Manufacturer's Quality Systems, in accordance with the IECEx Scheme." <input checked="" type="checkbox"/> |  |
|                                                                                                                                        |   | <b>Operational Document n. IECEx OD17 – Edition 6.0 2019</b> "drawing and documentation Guidance for IECEx Certification for use By Manufacturers and EXTLS" <input checked="" type="checkbox"/>                                                                     |  |

### 2.3 Date(s) and Duration of Audit

Include total number of auditor days on site

: September 16<sup>th</sup> ÷ 17<sup>th</sup> 2024  
(2-man days)

### 2.4 Certified Quality System

| ISO 9001 Certificate No | Certified by | Expiry date | Scope                                                                                                                                                                         |
|-------------------------|--------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9190.FENX               | CSQ          | 2027/10/30  | Manufacturing of electrical fittings, aluminum alloy castings, "Ex" and waterproof devices expected to be used in chemical and petrol chemical industries and offshore plants |

If ISO 9001 certified, were non-conformities from the last ISO 9001 audit reviewed?

Yes ☐

No ☐

N/A (no NCs) ☒

**Comments to ISO 9001 non-conformities.**

### 2.5 Composition of Audit Team:

| Name             | Position      | Role in Audit (Sole Auditor, Team Leader, Auditor, Technical Specialist, etc) |
|------------------|---------------|-------------------------------------------------------------------------------|
| Sergio G. GIUGNO | CESI Assessor | Team Leader                                                                   |
| Elena BREGOLI    | CESI Assessor | Auditor                                                                       |


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**2.6 Interviewed Representatives of Manufacturer (Auditee):**

| Name            | Position          |
|-----------------|-------------------|
| Dario COLAUT    | General manager   |
| Alessandro TOSO | Quality Manager   |
| Corina Medeot   | Quality Assistant |
| Emanuele CABASS | Ex manager        |

**2.7 External Providers:** *(Use this table to list External Providers reviewed during audit of supplier evaluation)*

| Name of Supplier                                        | Critical item or service provided |
|---------------------------------------------------------|-----------------------------------|
| See list of Ex Critical Suppliers updated on 2024/09/17 |                                   |
|                                                         |                                   |
|                                                         |                                   |
|                                                         |                                   |

**2.8 Manufacturers Documentation:**

*(Use this table to list details of the manufacturers quality management system documentation cited in Section 3 by document identity and reviewed during the audit covered by this Quality Audit Report)*

| Document No. | Document Name                    | Rev. | Date       |
|--------------|----------------------------------|------|------------|
|              | List of Quality and Ex Documents |      | 2024/09/17 |
|              |                                  |      |            |
|              |                                  |      |            |



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## 3. Documentation Review and Assessment of Implementation

Note 1: Regarding the entry of Manufacturer's Document References in the following table - you only need to reference the document number (and if desired the title) if the details of document number, title and revision status are listed in Clause 2.8. Comments are to be entered by the auditor to document compliance or noncompliance of a clause.

Note 2: Even when there are no additional IEC/ISO 80079-34:2018 requirements to ISO 9001:2015 the auditor shall provide a verdict in accordance with the Note 3 below. *The IECEx System expectation is that where the form specifies that "ISO 9001:2015 applies" for the manufacturing of Ex product, these requirements are reviewed and assessed as necessary by the ExCB irrespective of whether the manufacturer has ISO 9001:2015 certification (guidance on ExMC decisions in this area is available in 17021-1, Clause 9.1.3.4)*

Note 3: Possible audit verdicts: P = Pass, NA = Not applicable, F = Fail, add the Non-conformity number against a clause where a Non-conformity has been issued.

| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Documents or Comments | Verdict  |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------|
| <b>4.1</b>   | <b>Understanding the organization and its context</b> 4.1 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |          |
|              | In regard to this document, the context of the organization is to ensure that any Ex Product is in accordance with its certificate and technical documentation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | QP02 R05 Quality Plan | <b>P</b> |
| <b>4.2</b>   | Manufacturers ISO 9001 QMS and Ex Quality Plan complies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QP02 R05 Quality Plan | <b>P</b> |
|              | Manufacturers ISO 9001 QMS and Ex Quality Plan complies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |          |
| <b>4.3</b>   | Manufacturers ISO 9001 QMS and Ex Quality Plan complies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | QP02 R05 Quality Plan | <b>P</b> |
|              | 4.3 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |          |
| <b>4.4</b>   | <b>Quality management system and its processes</b> 4.4 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |          |
|              | The quality management system shall ensure that the Ex Product conforms to the type described in the certificate and the technical documentation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | QP02 R05 Quality Plan | <b>P</b> |
| <b>5.1.1</b> | <b>General</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | QP02 R05 Quality Plan | <b>P</b> |
|              | 5.1.1 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |          |
| <b>5.1.2</b> | <b>Customer focus</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | QP02 R05 Quality Plan | <b>P</b> |
|              | 5.1.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |          |
| <b>5.2.1</b> | <b>Establishing the quality policy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QP02 R05 Quality Plan | <b>P</b> |
|              | 5.2.1 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |          |
| <b>5.2.2</b> | <b>Communicating the quality policy</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | QP02 R05 Quality Plan | <b>P</b> |
|              | 5.2.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |          |
| <b>5.3</b>   | <b>Organizational roles, responsibilities and authorities</b> 5.3 of ISO 9001:2015 applies with the following additions:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |          |
|              | Ex authorized person(s) shall be appointed with defined and documented responsibilities and authority to ensure the following requirements are met:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                       |          |
|              | a) the effective co-ordination of activities with respect to Ex Products;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PG06M05 R04           | <b>P</b> |
|              | b) the liaison with the issuer of the certificate (when not issued by the manufacturer) with respect to any proposed change to the design defined in the certificate and the technical documentation;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PG06M05 R04           | <b>P</b> |
|              | c) the liaison with the body responsible for the verification of the quality management system with respect to intended updating of the quality management system;<br>NOTE: It is not practicable for the manufacturer to inform the body responsible for the verification of the quality management system each time the quality management system is updated. It is only practicable to inform them of "substantial" updating of the quality management system relevant to the Type of Protection. Similarly, it is not practicable to specify in general terms what types of updating are or are not "substantial". It is therefore normal that the manufacturer informs the body responsible for the verification of the quality management system on any update of the quality management system having consequences on Ex Product compliance. The change of an Ex authorized person is considered as a "substantial" change. | PG06M05 R04           | <b>P</b> |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Documents or Comments | Verdict |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|
|              | d) the authorization of initial approval and changes to related drawings, where appropriate;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PG06M05 R04           | P       |
|              | e) the authorization of concessions (see 8.7 f));                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PG06M05 R04           | P       |
|              | f) the accuracy of relevant information regarding Ex Product given to the customer for any sales literature and installation instructions (which shall include applicable Specific Conditions of Use and any Schedule of Limitations);<br>NOTE: Ex Equipment Certificate numbers with a suffix "X" contain Specific Conditions of Use. Ex Component certificates numbers, with a suffix "U" may contain a Schedule of Limitations.                                                                                                                                                                                                                                                                                     | PG06M05 R04           | P       |
|              | g) the effective coordination of manufacturing processes related to Ex Products including externally provided products, services and processes detailed in 8.4; In the case of a manufacturer with multiple manufacturing sites an Ex authorized person with relevant responsibilities shall be appointed for each site.                                                                                                                                                                                                                                                                                                                                                                                               | PG06M05 R04           | P       |
|              | Records demonstrating this shall be available and be maintained as documented information.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |         |
| <b>6.1</b>   | <b>Actions to address risks and opportunities</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |         |
|              | 6.1 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MQ R07 Quality Manual | P       |
| <b>6.2</b>   | <b>Quality objectives and planning to achieve them</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |         |
|              | 6.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MQ R07 Quality Manual | P       |
| <b>6.3</b>   | <b>Planning of changes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |         |
|              | 6.3 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MQ R07 Quality Manual | P       |
| <b>7.1.1</b> | <b>General (Support and Resources)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |         |
|              | 7.1.1 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MQ R07 Quality Manual | P       |
| <b>7.1.2</b> | <b>People</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |         |
|              | 7.1.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MQ R07 Quality Manual | P       |
| <b>7.1.3</b> | <b>Infrastructure</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |         |
|              | 7.1.3 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MQ R07 Quality Manual | P       |
| <b>7.1.4</b> | <b>Environment for the operation of processes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |         |
|              | 7.1.4 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MQ R07 Quality Manual | P       |
| <b>7.1.5</b> | <b>Monitoring and measuring resources</b> 7.1.5 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |         |
|              | When monitoring or measuring is used to verify the conformity of Ex Products, the measuring equipment shall be calibrated and a valid calibration certificate shall exist.<br>Verification of measuring equipment against calibrated equipment is also permitted as long as it is properly documented.<br>The calibration certificate shall meet one of the following requirements:                                                                                                                                                                                                                                                                                                                                    | IS07 R12              | P       |
|              | a) Where a calibration certificate bears an accreditation, logo issued by an accredited calibration laboratory (which can demonstrate that it operates in compliance with an internationally recognized standard and is covered by a multilateral international agreement) the calibration laboratory need not be subjected to further evaluation.                                                                                                                                                                                                                                                                                                                                                                     | IS07 R12              | P       |
|              | b) Where a calibration certificate does not bear the accreditation logo of a national accreditation authority, each calibration certificate shall include at least the following information:<br>• an unambiguous identification of the item calibrated;<br>• evidence that the measurements are traceable to international or national measurement standards;<br>• the method of calibration;<br>• a statement of compliance with any relevant specification;<br>• the calibration results;<br>• the uncertainty of measurement, where necessary;<br>• the environmental conditions, where relevant;<br>• the date of calibration;<br>• the signature of the person under whose authority the certificate was issued; | IS07 R12              | P       |



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|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|
|        | <ul style="list-style-type: none"> <li>the name and address of the issuing organization and the date of issue of the certificate;</li> <li>a unique identification of the calibration certificate.</li> </ul>                                                                                                                                                                                                                                                                                                                                                  |                       |         |
|        | c) Where a calibration certificate does not bear the accreditation logo of a national accreditation authority or does not contain the information listed in 7.1.5 b), the manufacturer shall demonstrate a valid relationship to international or national measurement standards by other means (e.g. a documented site assessment).                                                                                                                                                                                                                           | IS07 R12              | P       |
| 7.1.6  | <b>Organizational knowledge</b><br>7.1.6 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MQ R07 Quality Manual |         |
| 7.2    | <b>Competence</b> 7.2 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |         |
|        | The manufacturer shall have a documented process to identify and ensure that all persons having an impact on the compliance of Ex Products are trained and competent.<br>NOTE 1: Parties who might have an impact on the compliance of Ex Products are the Ex authorized person(s), manufacturing, inspecting, testing, sales, marketing, supply management, calibration and quality control services and other services.<br>NOTE 2: Competence requirements of 7.2 also address the awareness of 7.3.                                                         | PG02 R02              | P       |
| 7.3    | <b>Awareness</b><br>7.3 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PG02 R02              | P       |
| 7.4    | <b>Communication</b> 7.4 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |         |
|        | Internal and external communication relating to Ex Products <b>shall be controlled</b> .<br>NOTE 1: Communication includes manufacturer documentation, technical documentation, certificates, nonconforming products placed on the market, etc.<br>NOTE 2: External communication includes communication with clients, certification bodies, providers, economic operators (authorized representatives, importers, distributors, external providers...), authorities etc.                                                                                      | MQ R07 Quality Manual | P       |
| 7.5.1  | <b>(Documented information) General</b> 7.5.1 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |         |
|        | All requirements and provisions adopted by the manufacturer to ensure compliance of Ex Products with their certificates and technical documentation, and to demonstrate compliance to this document, shall be appropriately documented in a systematic and orderly manner. This may be achieved in the form of manuals, policies, procedures, instructions, flowcharts, spread sheets, forms, or other appropriate means. The quality management system documentation shall permit a consistent interpretation of quality programs, plans, manuals and records | MQ R07 Quality Manual | P       |
| 7.5.2  | <b>Creating and updating</b><br>7.5.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MQ R07 Quality Manual | P       |
| 7.5.3  | <b>Control of documented Information</b> 7.5.3 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |         |
|        | a) technical documentation and manufacturer's documentation shall be controlled;                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | MQ R07 Quality Manual | P       |
|        | b) documented procedures shall ensure that information contained within manufacturer's documentation is compatible with the technical documentation. The manufacturer shall not initially approve or subsequently amend related drawings unless they are in compliance with the schedule drawings;                                                                                                                                                                                                                                                             | MQ R07 Quality Manual | P       |
|        | c) the quality management system shall ensure that no factor (type, characteristic, position etc.) defined within the certificate and technical documentation (e.g. schedule drawings) is modified unless otherwise permitted by the issuer of the certificate;                                                                                                                                                                                                                                                                                                | MQ R07 Quality Manual | P       |
|        | d) there shall be a documented system that refers all related drawings to the relevant schedule drawings;                                                                                                                                                                                                                                                                                                                                                                                                                                                      | MQ R07 Quality Manual | P       |
|        | e) where there are common schedule drawings associated with more than one certificate, there shall be a documented system to                                                                                                                                                                                                                                                                                                                                                                                                                                   | MQ R07 Quality Manual | P       |





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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Documents or Comments | Verdict |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|
|              | ensure simultaneous supplementary action in the event of an amendment to such drawings;<br>NOTE: Some manufacturers use common components with common drawing numbers on more than one product and then have more than one person responsible for the end products. A compliant QMS would assure that the change to the component for the one product is not implemented without approval from the responsible persons for all end-products that use that component.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                       |         |
|              | f) where a manufacturer also has drawings for products that are not Ex Products, the manufacturer shall have a system that enables both the related drawings and schedule drawings to be clearly identified;<br>NOTE: The following examples indicate some methods to achieve this:<br>– the use of visual markers;<br>– the use of a unique series of drawing numbers, e.g. all drawings concerning a certified Ex Product have an Ex prefix to the drawing number;<br>– the use of a computerized relational database with indentured "Bills of Materials" that identify all Ex critical documents, components and controls<br>unauthorized changes can also be acceptable.                                                                                                                                                                                                                                                                                                                                               | MQ R07 Quality Manual | P       |
|              | g) the manufacturer shall document the body responsible for the verification of the quality management system of each certificate;<br>NOTE: In some Certification Schemes, the body responsible for the verification of the quality management system associated with each certificate can be different from the body that issued the certificate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MQ R07 Quality Manual | P       |
|              | h) where technical documentation or manufacturer's documentation are passed to a third party, they shall be provided in a way that is not misleading;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | MQ R07 Quality Manual | P       |
|              | i) the manufacturer shall have a documented process to annually check the validity of all Ex related certificates, standards, regulations and other external specifications;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | MQ R07 Quality Manual | P       |
|              | j) the manufacturer shall retain adequate quality records to demonstrate conformity of the Ex Products. A minimum of 10 years retention after each Ex Product (batch) has been placed on the market is required. As a minimum, the list of quality records requiring control and retention, as far as applicable, shall be: <ul style="list-style-type: none"> <li>those arising from regulatory requirements;</li> <li>quality documented information</li> <li>responsibilities and authorities for Ex relevant roles assignment and communication within the organization</li> <li>customer order;</li> <li>contract review;</li> <li>training records;</li> <li>design and development changes;</li> <li>inspection and test data (per batch);</li> <li>calibration data;</li> <li>manufacturing traceability;</li> <li>sub-contractor evaluation;</li> <li>delivery data (customer, delivery date and quantity, including serial numbers where available);</li> <li>other documented information, if needed.</li> </ul> | MQ R07 Quality Manual | P       |
| <b>8.1</b>   | <b>Operational planning and control</b> 8.1 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |         |
|              | The information in Annexes A and B for control and acceptance of processes for Ex Products are one method to ensure compliance with the requirements of the certificate. If other methods are used, they should be evaluated to ensure full compliance with the requirements of certification.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PG08 R03              | P       |
| <b>8.2.1</b> | <b>Customer Communications</b><br>8.2.1 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | MQ R07 Quality Manual | P       |
| <b>8.2.2</b> | <b>Determining the requirements for products and services</b><br>8.2.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | MQ R07 Quality Manual | P       |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Documents or Comments | Verdict  |
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| <b>8.2.3</b> | <b>Review of the requirements for products and services</b> 8.2.3 of ISO 9001:2015 applies with the following addition:<br>The review shall ensure that any stated customer requirement is compatible with the certificate e.g. equipment group, temperature class, Type of Protection, Equipment Protection Level (EPL) and ambient temperature range.<br>In some situations, such as internet sales, a formal review might be impractical. In such a case the appropriate information shall be made available to the customer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MQ R07 Quality Manual | <b>P</b> |
| <b>8.2.4</b> | <b>Changes to requirements for products and services</b> 8.2.4 of ISO 9001:2015 applies with the following addition:<br>The Ex authorized person(s) identified in 5.3 shall be involved in any changes (e.g. changes to the manufacturer's documentation, quality management system or marketing documents) that could affect Ex Product compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MQ R07 Quality Manual | <b>P</b> |
| <b>8.3.1</b> | <b>General (Design and development of products and services)</b><br>8.3.1 of ISO 9001:2015 is not within the scope of this document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>P</b>              | <b>P</b> |
| <b>8.3.2</b> | <b>Design and development planning</b><br>8.3.2 of ISO 9001:2015 is not within the scope of this document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |          |
| <b>8.3.3</b> | <b>Design and development Inputs</b><br>8.3.3 of ISO 9001:2015 is not within the scope of this document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                       |          |
| <b>8.3.4</b> | <b>Design and development controls</b><br>8.3.4 of ISO 9001: 2015 is not within the scope of this document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |          |
| <b>8.3.5</b> | <b>Design and development outputs</b><br>8.3.5 of ISO 9001:2015 is not within the scope of this document.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |          |
| <b>8.3.6</b> | <b>Design and development changes</b> 8.3.6 of ISO 9001:2015 applies with the following addition:<br>The Ex authorized person(s) identified in 5.3 shall be involved in the approval process of any substantial modification or change (e.g. changes to the manufacturer's documentation, quality management system or marketing documents) that could affect Ex Product compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | MQ R07 Quality Manual | <b>P</b> |
| <b>8.4.1</b> | <b>General (Control of externally provided processes, products and services)</b> 8.4.1 of ISO 9001:2015 applies with the following addition:<br>a) while manufacture, test and final inspection may be sub-contracted, the responsibility for ensuring conformance with the certificate and the technical documentation shall not be sub-contracted;<br>b) external providers providing a product, process, or service that can affect the Ex Product's compliance with the certificate shall only be selected after an evaluation has provided evidence that they have the capability of ensuring compliance with all specified requirements;<br>1) documented objective evidence that the external provider can provide product, process or service that is fit for purpose shall be made by one or more of the following methods:<br>– the external provider has an acceptable Ex quality management system according to this document assessed by an accredited body,<br>– the external provider has a quality management system certificate in accordance with the appropriate standard and with an acceptable scope,<br>NOTE A certificate issued by an accredited body which can demonstrate that it operates in compliance with ISO/IEC 17021 is generally acceptable; depending on the nature of the product, process, or service, a quality management system in accordance with ISO 9001:2015 might not be sufficient.<br>– a documented site assessment to ensure that all relevant controls are available, documented, understood and effective.<br>NOTE: The evaluation takes the following into account:<br>– criticality of the product, process or service;<br>– degree of difficulty, or variability in the manufacturing process; | PG05 R04              | <b>P</b> |
|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | PG05 R04              | <b>P</b> |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Documents or Comments             | Verdict |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------|
|              | <ul style="list-style-type: none"> <li>location of the external provider and hence the effectiveness of communications;</li> <li>subcontracting of the product, process or service.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                   |         |
|              | <p>2) where the features affecting the Type of Protection cannot be verified at a later stage or are not verified by the manufacturer e.g. encapsulated intrinsically safe circuits, then the product, process, or service shall only be accepted by one of the following methods:</p> <ul style="list-style-type: none"> <li>the manufacturer can demonstrate that the control process implemented by the external providers ensures Ex compliance,</li> <li>the body responsible for the verification of the quality management system performs periodic audits at the external providers.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                             | PG05 R04                          | P       |
|              | c) external providers providing calibration services (including verification on measuring devices by comparison with calibrated equipment) shall be evaluated on their ability to meet stated requirements as well as the requirements of 7.1.5;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | PG05 R04                          | P       |
|              | d) external providers not used for a period exceeding one year shall be re-evaluated in accordance with 8.4.1 b) prior to the placing of a contract or a purchase order;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | PG05 R04                          | P       |
|              | e) requirements 8.4.1 b) and 8.4.1 d) are not mandatory for products, processes or services where the manufacturer verifies conformance according to 8.4.2;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PG05 R04                          | P       |
|              | <p>f) the ongoing ability of the external providers to provide conforming product, process or service shall be reviewed at periods not exceeding one year;</p> <p>NOTE 1: "Review" is a process by which the manufacturer demonstrates the ongoing suitability and performance in accordance with 8.4.1 b) and c) of their external providers e.g. receiving inspection report analysis.</p> <p>NOTE 2: The terms "re-evaluation" and "review" have different meanings.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PG05 R04                          | P       |
|              | g) The manufacturer shall facilitate an arrangement whereby the body responsible for the verification of the Ex quality management system may also verify aspects of any external provider's operation that affects the Type of Protection.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | PG05 R04                          | P       |
| <b>8.4.2</b> | <b>Type and extent of control</b> 8.4.2 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                   |         |
|              | a) for purchased processes, products and services that can compromise the Type of Protection, the manufacturer shall determine and implement verification arrangements which demonstrate the product's compliance with the certificate, considering the nature of the product and the nature of the external provider;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | b) when deciding what type of verification is required for a particular purchased process, product or service, the manufacturer shall consider the nature of the purchased product, the external provider, and how critical it is to the Type of Protection. In considering whether the external provider should carry out the verification, the manufacturer should consider the results of their evaluation carried out under 8.4.1. The decision should reflect the competence of the external provider, including whether they have a quality management system that covers the activity, the resources, e.g. equipment, and the people with sufficient skill and experience to do it. This latter point is particularly significant when judgement is required, such as when inspecting a flameproof casting. When the manufacturer elects to have the external provider carry out test or inspection that is relevant to the Type of protection, the product may be supplied with a declaration of conformity that confirms it has been done; | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | c) where the external provider has been evaluated and documented objective evidence has been obtained to demonstrate that the external provider is fully capable of producing and verifying the process, product or service, no further verification of the process,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | PG05 R04<br>MQ R07 Quality Manual | P       |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Documents or Comments             | Verdict |
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|              | product or service is required, if a declaration of conformity is supplied for each batch or product;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |         |
|              | d) where the certificate specifies routine tests or inspections, these shall be carried out on each and every product. They may be carried out by either the external provider or the manufacturer. When carried out by the external provider they shall be specified on the purchasing documents, e.g. by a quality plan, and confirmed by the external provider e.g. by a declaration of conformity including test results, if required;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | e) where verification of a purchased product cannot be carried out after manufacture, e.g. the internal parts of an encapsulated intrinsically safe circuit, then the product shall only be accepted if supplied with a declaration of conformity. This shall specifically state compliance to the purchase documents, e.g. a quality plan, that lists the factors that together demonstrate conformity of the product;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | f) where sample inspections or tests are permitted, they shall be conducted in a manner which demonstrates conformity of the entire batch;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | g) where either the external provider or the manufacturer requires training or specialist skill or knowledge to carry out a verification, then the training material, specialist skill, knowledge or background shall be documented, and training records maintained;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | h) where the manufacturer chooses not to carry out inspections and tests at its own premises, then inspections and tests shall be performed on the external provider's premises under the responsibility of the manufacturer;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | i) where an external provider provides product with evidence of conformity applicable to use in an explosive atmosphere, (e.g. certificate), then further verification is not required unless the manufacturer considers it necessary;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | j) Where a verification of purchased product is relative to material (metals, alloys, nonmetallic parts, resins and similar), a specific analysis certificate or declaration shall be supplied;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | k) One of the following processes shall be used to verify the continued conformity of the materials critical to the applied Type of Protection, used in the production of the Ex Products:<br>1) Review the Declaration(s) of Conformity from the external provider of the material within the supply chain that can impact the material characteristics; as applicable; to demonstrate that the material used in the production of the Ex product is in accordance with the schedule drawings.<br>2) Review the material manufacturer's confirmation that the material maintains the particular material properties of concern; e.g. flammability, CTI, RTI, or UV resistance, chemical composition, physical properties.<br>3) Review the material manufacturer's process and data for the validation of material characteristics.<br>4) Confirmation that equipment testing, necessary to confirm the material is in accordance with the certificate or schedule drawings, is repeated as required<br>Alternative processes may be utilized if it can be demonstrated that they provide the same level of conformity.<br>Receipt or acceptance of a declaration of conformity does not absolve the manufacturer from responsibility to ensure continuing conformity.<br>NOTE: Annex C provides guidance for the development of an external provider's declaration of conformity. | PG05 R04<br>MQ R07 Quality Manual | P       |
| <b>8.4.3</b> | <b>Information for external providers</b> 8.4.3 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                   |         |
|              | a) the purchasing documents shall clearly describe the specific requirements pertaining to externally provided product set out in the                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | PG05 R04                          | P       |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Documents or Comments             | Verdict |
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|              | certificate and the technical documentations (e.g. for process control, testing or inspection);<br>NOTE: For particular types of product e.g. castings, machined items and assemblies, the purchasing documents commonly include specific references to required drawings, test procedures, inspection procedures, material certificates, test reports and Declarations of Conformity.                                                                                        | MQ R07 Quality Manual             |         |
|              | b) for items where conformance cannot be verified after manufacture (e.g. encapsulated intrinsically safe circuits), the purchasing information shall set out the specific quality procedures, resources and sequence of activities relevant to the particular item;                                                                                                                                                                                                          | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | c) the manufacturer shall define the method by which documents e.g. technical specifications, stated in a particular purchase order remain traceable to the order;                                                                                                                                                                                                                                                                                                            | PG05 R04<br>MQ R07 Quality Manual | P       |
|              | d) where the manufacturer does not provide such documents with subsequent orders, then the manufacturer shall have documented procedures for ensuring that external providers have current copies of documents and that their integrity be maintained.                                                                                                                                                                                                                        | PG05 R04<br>MQ R07 Quality Manual | P       |
| <b>8.5.1</b> | <b>Production and service provision (Control of production and service provision)</b> 8.5.1 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                             |                                   |         |
|              | The manufacturer shall provide procedures, production equipment, working environments and inspection/testing facilities that together provide assurance with respect to the compliance of the Ex Product with its technical documentation.                                                                                                                                                                                                                                    | PG06 R08<br>MQ R07 Quality Manual | P       |
|              | Where a process can affect the integrity of a Type of Protection, and where the resulting integrity cannot be verified after manufacture (e.g. the environmental conditions required for curing an encapsulant), that specific process shall be measured or monitored and documentary evidence shall be maintained to demonstrate compliance with required parameters (Annex A can be used to demonstrate compliance).                                                        | PG06 R08<br>MQ R07 Quality Manual | P       |
| <b>8.5.2</b> | <b>Identification and traceability</b> 8.5.2 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                            |                                   |         |
|              | a) the manufacturer shall establish and maintain procedures for product identification during all stages of production, testing, final inspection and placing on the market;                                                                                                                                                                                                                                                                                                  | PG06 R08<br>MQ R07 Quality Manual | P       |
|              | b) traceability is required with respect to the final product and its significant parts. Traceability can be achieved using serial number, batch or other acceptable method.<br>NOTE: Significant parts are, for example, a printed circuit board (PCB) and safety component of an intrinsically safe circuit, but not each electronic component on a PCB. The significant part can be defined in the technical documentation during the processes of the product assessment. | PG06 R08<br>MQ R07 Quality Manual | P       |
| <b>8.5.3</b> | <b>Property belonging to customers or external providers</b> 8.5.3 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                      |                                   |         |
|              | It is the responsibility of the manufacturer to verify the compatibility of a product supplied by a customer or an external provider with the requirements of the certificate.                                                                                                                                                                                                                                                                                                | PG06 R08<br>MQ R07 Quality Manual | P       |
| <b>8.5.4</b> | <b>Preservation</b><br>8.5.4 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                        | PG06 R08<br>MQ R07 Quality Manual | P       |
| <b>8.5.5</b> | <b>Post-delivery activities</b><br>8.5.5 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                            | PG06 R08<br>MQ R07 Quality Manual | P       |
| <b>8.5.6</b> | <b>Control of changes</b> 8.5.6 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                         |                                   |         |
|              | The Ex authorized person(s) identified in 5.3 shall be involved in changes (e.g. changes to the manufacturer's documentation, quality management system or marketing documents) that could affect Ex Product compliance.                                                                                                                                                                                                                                                      | PG06 R08<br>MQ R07 Quality Manual | P       |
| <b>8.6</b>   | <b>Release of products and services</b> 8.6 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                             |                                   |         |
|              | Where routine tests are required by the certificate and technical documentation, these tests shall be performed as specified. Unless specifically permitted by the certificate and the technical documentation, statistical methods shall not be used.                                                                                                                                                                                                                        | PG06 R08<br>MQ R07 Quality Manual | P       |





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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Documents or Comments             | Verdict |
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|              | Ex Products shall only be released after final inspection and testing have been satisfactorily completed. The manufacturer shall provide customers with instructions prepared in accordance with the relevant standards or statutory and regulatory requirements, including any Specific Conditions of Use or particulars of possible misuse.                                                                                                                                                                                                                                                            | PG06 R08<br>MQ R07 Quality Manual | P       |
| <b>8.7</b>   | <b>Control of nonconforming outputs</b> 8.7 of ISO 9001:2015 applies and the following shall be defined:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                   |         |
|              | a) the manufacturer shall maintain a documented system, such that in the event of an Ex Product not conforming to the certificate and having been supplied, then the manufacturer's customer can be identified;                                                                                                                                                                                                                                                                                                                                                                                          | PG07 R04                          | P       |
|              | b) the manufacturer shall take action appropriate to the degree of risk, where nonconforming Ex Product has been supplied to a customer. It is recommended that the manufacturer liaise with the body responsible for the issue of the certificate;                                                                                                                                                                                                                                                                                                                                                      | PG07 R04                          | P       |
|              | c) where unsafe nonconforming Ex Products have been supplied to a customer, the manufacturer shall, in writing, inform its customer and the body responsible for the verification of the quality management system and the issuer of the certificate;                                                                                                                                                                                                                                                                                                                                                    | PG07 R04                          | P       |
|              | d) where it is not possible to trace unsafe nonconforming Ex Products (e.g. Ex Products supplied via a distributor, or for high volume Ex Products such as Cable Glands) then a notice shall be placed in appropriate publications providing recommended action to be taken;                                                                                                                                                                                                                                                                                                                             | PG07 R04                          | P       |
|              | e) for all nonconforming Ex Products that have been supplied to a customer, the manufacturer shall maintain, for a minimum period of 10 years, records of:<br>1) serial numbers or identification of Ex Products supplied;<br>2) the customer who received the Ex Products;<br>3) the action taken to inform customers and the body responsible for the verification of the quality management system in the case of unsafe nonconforming Ex Products;<br>4) the action taken to implement corrective and preventative action;                                                                           | PG07 R04                          | P       |
|              | f) concessions for Ex Products that take the Ex Products outside the design as defined in the certificate and technical documentation are not permitted.                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PG07 R04                          | P       |
| <b>9.1.1</b> | <b>General (Monitoring, measurement, analysis and evaluation)</b><br>9.1.1 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | MQ R07 Quality Manual             | P       |
| <b>9.1.2</b> | <b>Customer satisfaction</b><br>9.1.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MQ R07 Quality Manual             | P       |
| <b>9.1.3</b> | <b>Analysis and evaluation</b><br>9.1.3 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | MQ R07 Quality Manual             | P       |
| <b>9.2</b>   | <b>Internal audit</b> 9.2 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                   |         |
|              | a) The audit program shall address the effectiveness of the elements of the quality management system as described in this document to ensure that the Ex products are in conformity with the certificate. The maximum period between audits shall not exceed 14 months.                                                                                                                                                                                                                                                                                                                                 | PG08 R03                          | P       |
|              | b) One method of demonstrating effectiveness is the use of vertical auditing whereby an Ex Product awaiting dispatch is used to prove the system. The auditor examines all aspects of the system associated with the production of that Ex Product from a certification viewpoint. This normally includes appropriate documentation (drawings, inspection checklists, test records, material certificates etc.), Ex Product identification, handling, storage, training of staff and any other elements of the system which can affect the compliance of the Ex Product to the certification parameters. | PG08 R03                          | P       |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Documents or Comments | Verdict |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|
|              | c) For those manufacturers that employ checklists to assist in their internal audit programs, the inclusion of the requirements of this document into the appropriate checklists, and the retention of internal audit records, is an alternative method of addressing this requirement. Manufacturers may employ either method or some other equivalent method.                                                                                                                                                                                        | PG08 R03              | P       |
| <b>9.3.1</b> | <b>Management review (General)</b> 9.3.1 of ISO 9001:2015 applies with the following addition:                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |         |
|              | a) the maximum intervals between reviews shall not exceed 14 months;<br>b) top management shall chair the review;<br>c) the Ex authorized person(s) responsible for the activities as detailed in 5.3 shall participate in the review.<br>The review shall include the overall effectiveness of the quality management system with respect to Ex Products, including results of internal and external audits.<br>NOTE: Review of results of internal and external audits would provide evidence of the effectiveness of the quality management system. | RMIR R02              | P       |
| <b>9.3.2</b> | <b>Management review inputs</b><br>9.3.2 of ISO 9001: 2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | RMIR R02              | P       |
| <b>9.3.3</b> | <b>Management review outputs</b><br>9.3.3 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | RMIR R02              | P       |
| <b>10.1</b>  | <b>General (Improvement)</b><br>10.1 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RMIR R02              | P       |
| <b>10.2</b>  | <b>Nonconformity and corrective action</b><br>10.2 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | RMIR R02              | P       |
| <b>10.3</b>  | <b>Continual improvement</b><br>10.3 of ISO 9001:2015 applies.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | RMIR R02              | P       |



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## Annex A (informative)

### Information relevant to particular Types of Protection and specific Ex Products

#### A.1

#### Overview

This annex provides information on those aspects that the quality management system should address with respect to particular types of protection. It does not add to or otherwise change the requirements of this document. This annex provides examples of how to meet the requirements of this document, recognizing that other methods which achieve the same objectives are equally acceptable; and draws attention to aspects of requirements that might not be readily apparent to those unfamiliar with quality management systems for products intended for use in explosive atmospheres.

NOTE: The following examples do not cover all Types of Protection but give some advice and will be supplemented in the next edition.

#### A.2

#### General

Schedule Drawings, which support the certificate of the Ex Product, may provide conditions for the particular Type of Protection. All markings should be in accordance with schedule drawings.

For enclosures and other components forming part of the enclosure and for fans, fan hoods and ventilation screens, the manufacturer should verify the material composition (e.g. External Provider's Declaration of Conformity, see Annex C).

Statistical bases are not appropriate for routine tests required by the certificate, except where the following currently permit such techniques:

- the relevant standard; or
- appropriate interpretation and clarification sheets;

All measurements should consider temperature variations.

| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Documents or Comments                                              | Verdict  |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------|
| <b>A.3</b>   | <b>Ex d – Flameproof enclosures covered by IEC 60079-1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                    |          |
| <b>A.3.1</b> | <b>Verification</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                    |          |
|              | Verification consists of a visual inspection and/or measurement. The measurement should be done with suitable measuring equipment. The persons doing this measurement should have the competence and knowledge of using this measuring equipment.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Verification performed by Quality control inspectors, 1/lot – IS14 | <b>P</b> |
| <b>A.3.2</b> | <b>Castings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                    |          |
|              | Castings should be subject to verification that demonstrates conformity, e.g.:<br>a) 100 % visual inspection should be done on each part;<br>b) wall thickness (including those parts not subject to machining);<br>c) flaws, inclusions, blow holes and porosity (by either a visual or test method depending upon the criticality).<br><br>NOTE: Verification can be accomplished by 100 % visual inspection, or by another means deemed appropriate based on the ability of the manufacturer to effectively control production.<br>Recovery of porous castings by impregnation methods, e.g. silicone is not permitted.<br>In the event that a casting is recovered by welding it will become subject to the requirements applicable to welded enclosures, e.g. routine pressure testing. | Verification performed by operators. – IS12                        | <b>P</b> |
| <b>A.3.3</b> | <b>Machining</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                    |          |
|              | Machining should be subject to verification by either 100 % inspection or statistical techniques as appropriate that demonstrates conformity, e.g. the following should be verified:<br>a) flatness of flanged flamepaths;<br>b) surface roughness of non-threaded flamepaths;<br>c) fit of all threaded flamepaths (e.g. threaded entries and threaded access covers);<br>d) depth of drilling and tapping of blind holes to ensure adequate residual wall thickness;<br>e) dimensional requirements of all flamepaths.<br>NOTE: Suitable statistical techniques are used in ISO 2859-1, ISO 3951-1 or equivalent standard.                                                                                                                                                                 | Verification performed by operators. – IS11                        | <b>P</b> |
| <b>A.3.4</b> | <b>Cemented joints and potted assemblies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                    |          |
|              | Documented procedures should address the following, as applicable:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | As per relevant datasheets                                         | <b>P</b> |





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| Clause         | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Documents or Comments                                 | Verdict |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|---------|
|                | a) shelf life and storage of cement, potting compounds;<br>b) mixing;<br>c) surface preparation (degreasing or equivalent is usually required immediately before the potting-operation to ensure good adhesion);<br>d) application e.g. filling instructions, freedom from voids and temperature conditions;<br>e) curing, which should include: curing period, any relevant environmental factors, provision to ensure product is undisturbed during the curing period;<br>f) after curing, an inspection should be done on each potted assembly. Depending on the nature and repeatability of the process and the potted assembly, this could be for example using statistical techniques.                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       |         |
| <b>A.3.5</b>   | <b>Routine overpressure testing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                       |         |
| <b>A.3.5.1</b> | <b>General</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                       |         |
|                | The purpose of the test is to check that the enclosure does not suffer damage or permanent deformation.<br>Leakage through cemented joints or potted assemblies would constitute a failure unless otherwise permitted by the issuer of the certificate.<br>The test can be a single test conducted on a complete assembly, or a series of tests on each sub-assembly or component part. For the static routine overpressure test, it is sufficient to test the enclosure empty. The individual parts of a flameproof enclosure (for example, cover and base) can be tested separately. For enclosures that contain more than one discrete compartment, each compartment should be tested individually. The method used should ensure that the assembly, sub-assembly or component parts are subjected to representative stress patterns e.g. actual fastening facilities are used. Clamping that affects the mechanical properties of the Type of Protection would invalidate the test results.<br>Due to safety considerations and difficulty in detecting leakage, hydraulic rather than pneumatic methods are recommended. | Single test performed for each kind of product - IS14 | P       |
| <b>A.3.5.2</b> | <b>Batch testing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                       |         |
|                | Where permitted by the certificate, the routine overpressure testing may be replaced by a batch test according to the following criteria, based on ISO 2859-1;<br>a) For a production batch up to 100, a sampling of 8 should be tested at 1,5 times the reference pressure with no failures.<br>b) For a production batch from 101 to 1 000, a sampling of 32 should be tested at 1,5 times the reference pressure with no failures.<br>c) For a production batch from 1 001 up to 10 000, a sampling of 80 should be tested at 1,5 times the reference pressure with no failures.<br>d) Batches above 10 000 should be subdivided into smaller batches. If there are any non-compliant test results, 100 % of all remaining samples in the batch should be tested at 1,5 times the reference pressure. Future batches should be routine tested at 1,5 times the reference pressure until confidence is established to reconsider batch testing.<br>NOTE: Upon non-compliant test results, reconsideration of this batch testing approach is at the discretion of the party issuing the certificate.                         |                                                       | N/A     |
| <b>A.3.5.3</b> | <b>Welded construction</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                       |         |
|                | Where permitted by the certificate, the routine overpressure testing may be replaced by one of the following inspection methods:<br>a) radiographic weld inspection; or<br>b) ultrasonic weld inspection; or<br>c) magnetic particle weld inspection; or<br>d) liquid penetrant weld inspection.<br>NOTE: ISO standards exist for each of the above weld inspection methods.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                       | N/A     |
| <b>A.3.6</b>   | <b>Flanged joints</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                       |         |



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| Clause       | Requirement                                                                                                                                                                                           | Documents or Comments                      | Verdict |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------|
|              | Flanged joints should be verified after final assembly to ensure the gap specified in the Schedule Drawings is not exceeded. If not practical, special measure should be taken during the production. | Verification performed by operators – IS19 | P       |
| <b>A.3.7</b> | <b>Elements, with non-measurable paths, of breathing and draining devices</b>                                                                                                                         |                                            |         |
|              | For products containing elements like sintered metal, pressed metal wire or metal foam, see Annex B.                                                                                                  |                                            |         |

| Clause         | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Documents or Comments               | Verdict |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|---------|
| <b>A.4</b>     | <b>Ex i – intrinsic safety covered by IEC 60079-11</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |         |
| <b>A.4.1</b>   | <b>Components for intrinsically safe products</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |         |
|                | The following features should be verified with respect to the following components for use in intrinsically safe apparatus and associated apparatus. This normally means verifying the marking on the components or packaging and may be achieved by using statistical techniques where appropriate, as shown in Table A.1:                                                                                                                                                                                                                   | Verification performed by operators | P       |
|                | <b>Table A.1 Component features requiring compatibility</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |         |
|                | <b>Resistors:</b> value, power, type, tolerance, case size                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                     | N/A     |
|                | <b>Capacitors:</b> value, tolerance, type, rated voltage, case size                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     | N/A     |
|                | <b>Piezo-electric devices:</b> manufacturer, type, capacitance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                     | N/A     |
|                | <b>Inductive components:</b> type, inductance, DC. resistance, number of turns, wire gauge and material, material specification of core and bobbin where appropriate                                                                                                                                                                                                                                                                                                                                                                          |                                     | N/A     |
|                | <b>Transformers:</b> type, manufacturer, isolation, voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     | N/A     |
|                | <b>Optical isolators:</b> Optical isolator type, isolation, voltage                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     | N/A     |
|                | <b>Semiconductors:</b> <ul style="list-style-type: none"> <li>– Transistors</li> <li>– Integrated circuits</li> <li>– Thyristors</li> <li>– Diodes</li> <li>– Zener diodes</li> </ul> type number, power value and where appropriate, the manufacturer                                                                                                                                                                                                                                                                                        |                                     | N/A     |
|                | <b>Cells and batteries:</b> manufacturer and type number, or IEC designation                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     | N/A     |
|                | <b>Fuses:</b> manufacturer, type, value                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                     | N/A     |
|                | <b>Insulating materials:</b> specification, dimensions and where appropriate type number                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                     | N/A     |
|                | <b>Connectors</b> (e.g. plugs/sockets and terminals): type number and where appropriate, the manufacturer                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |         |
| <b>A.4.2</b>   | <b>Printed circuit boards (PCB)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |         |
| <b>A.4.2.1</b> | <b>Non-populated PCBs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |         |
|                | PCBs may be accepted with a declaration of conformity (see Annex C). The declaration should state compliance to the purchase documents e.g. a quality plan that lists the factors that together demonstrate conformity of the product. For simple single- or double-sided PCBs, the copper artwork may be visually verified using photographic negative (transparency), certified drawing or controlled inspection samples. Purchase documents should specify copper thickness with tolerances, PCB thickness with tolerances and CTI values. |                                     | N/A     |
| <b>A.4.2.2</b> | <b>Populated PCBs</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     |         |
|                | <ul style="list-style-type: none"> <li>Varnish and coatings should be controlled with respect to the specification of material and effectiveness of the application.</li> <li>Documented procedures should ensure that the application of varnish and coatings are in conformity with the certificate and/or schedule drawings.</li> </ul>                                                                                                                                                                                                    |                                     | N/A     |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Documents or Comments | Verdict |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|
|              | <ul style="list-style-type: none"> <li>For PCBs the manufacturer should maintain a list of safety critical components used in production (e.g. resistors and Zener diodes) determined during Ex Equipment assessment. The safety critical components placed on the PCB should be verified on a 100 % basis.</li> <li>Specified distances and clearances on manually assembled PCBs should be verified on a 100 % basis.</li> <li>This may be conducted by one of the following methods:               <ol style="list-style-type: none"> <li>a visual verification;</li> <li>for surface mount components, by ensuring correct loading of the "pick and place" machines and a visual verification of correct placement;</li> <li>by automatic test equipment (ATE) if the ATE addresses each individual safety critical component and by a visual verification conducted to verify type number of components in shunt Zener diode/diode assemblies.</li> </ol> </li> <li>Where the surface mount component "pick and place" machine selects the component reel based on measuring the component value the measuring function should be calibrated.</li> <li>Documented procedures should be provided that ensure that workmanship standards are defined with respect to component mounting and soldering.</li> <li>Documented procedures should ensure that segregation of related parts (e.g. terminals) and wiring/cabling is maintained and that specified colours, cross-sectional area and insulation thickness are in conformity with the schedule drawings.</li> </ul> |                       |         |
| <b>A.4.3</b> | <b>Sub-assemblies and assemblies</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |         |
|              | <p>Documented procedures should ensure that production documentation includes all relevant variations to the product design. Production documentation should address all safety critical components, and in the case of encapsulated parts, the compound manufacturer, type, mix and minimum depth. Documented procedures should address the following:</p> <ol style="list-style-type: none"> <li>shelf life and storage of cement and potting compounds;</li> <li>mixing;</li> <li>surface preparation (degreasing or equivalent is usually required immediately before the potting-operation to ensure good adhesion);</li> <li>application e.g. filling instructions, freedom from voids and temperature conditions;</li> <li>curing, which should include: curing period, any relevant environmental factors, provision to ensure product is undisturbed during the curing period;</li> <li>after curing, an inspection should be done on each potted assembly. Depending on the nature and repeatability of the process and the potted assembly, this could be for example using statistical techniques.</li> </ol> <p>Documented procedures should also ensure that segregation of related parts (e.g. terminals) and wiring/cabling is maintained and that specified colours, cross-sectional area, insulation thickness and labels (where appropriate) are fitted.</p> <p>Sealing arrangements should be verified for compatibility with the product's ingress protection rating.</p>                                                                                |                       | N/A     |
| <b>A.4.4</b> | <b>Enclosures for Group III or reduced spacing</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                       |         |
|              | <p>For intrinsically safe apparatus for Group III, or for apparatus that relies on the enclosure for reduced spacing, demonstration of the conformity of the enclosure with the schedule drawings should include the following:</p> <ol style="list-style-type: none"> <li>depths of bore holes and tap holes;</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                       | N/A     |



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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Documents or Comments                                       | Verdict |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------|
|              | b) dimensional requirements for those enclosure parts relevant for sealing effectiveness or mechanical stability;<br>c) insulating coatings and surface conditioning; material, layer thickness.<br><br>Documented procedures should address the following:<br>a) the gaskets correspond to the quoted specification;<br>b) the sealing elements' effectiveness, e.g. by checking the sealing elements' correct fit.<br><br>If a gasket's correct fit becomes apparent only after assembly, the imprint could be visually examined, e.g. by use of adequate methods such as use of chalk. |                                                             |         |
| <b>A.4.5</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                             |         |
|              | Procedures for all routine verifications and tests specified in the schedule drawings should be reviewed, along with the results of those verifications and tests, e.g. high voltage tests on complete assemblies or individual components such as transformers, should be controlled by documented procedures and conducted on a 100 % basis unless otherwise permitted.                                                                                                                                                                                                                 |                                                             | N/A     |
| <b>A.4.6</b> | <b>Intrinsically safe circuits and assemblies incorporated in Ex equipment of other types of protection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |         |
|              | Where Ex equipment contains intrinsically safe circuits then precautions should be taken as stated in the certificate to ensure that other items listed in the certificate are selected, mounted and installed in accordance with schedule drawings.                                                                                                                                                                                                                                                                                                                                      | Verification performed by quality control inspectors – IS14 | P       |

| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Documents or Comments                                       | Verdict |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------|
| <b>A.5</b>   | <b>Ex e – Increased safety covered by IEC 60079-7</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                             |         |
| <b>A.5.1</b> | <b>Ingress protection (IP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |         |
|              | Documented procedures should ensure that the following is verified:<br>a) weld continuity;<br>b) fitting of gaskets and seals;<br>c) continuity of moulded grooves and tongues;<br>d) application of cements including a visual inspection after curing.                                                                                                                                                                                                                                                                                                                                                                                                                                     | Verification performed by quality control inspectors – IS14 | P       |
| <b>A.5.2</b> | <b>Internal wiring and contact integrity</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                             |         |
|              | Documented procedures should ensure that the following are verified:<br>a) wiring is clamped as specified in the schedule drawings;<br>b) wiring is terminated as specified in the schedule drawings;<br>c) wires are as specified in the schedule drawings;<br>d) connections are tightened as specified in the schedule drawings;<br>e) creepage distances and clearances are as specified in the schedule drawings and have not been compromised.                                                                                                                                                                                                                                         | Verification performed by quality control inspectors – IS14 | P       |
| <b>A.5.3</b> | <b>Rotating machines</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                             |         |
|              | Documented procedures should ensure that the following are verified:<br>a) rotor end connections and fixing bars are as specified in the schedule drawings;<br>b) the fabrication process for die-cast rotors is as specified in the schedule drawings;<br>c) production controls are in place for:<br>– the air gap (rotor to stator) as specified in the schedule drawings;<br>– the fan clearance as specified in the schedule drawings;<br>– the bearing seal clearances as specified in the schedule drawings.<br>NOTE: The schedule drawings might not specify a bearing seal clearance as not all Levels of Protection require a bearing seal clearance for all bearing seal designs. |                                                             | N/A     |


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| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Documents or Comments                                       | Verdict    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|
| <b>A.5.4</b> | <b>Windings</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |            |
|              | Documented procedures should ensure that the following are verified:<br>a) wire and insulation system are as specified in the schedule drawings;<br>b) the impregnations process is as specified in the schedule drawings;<br>c) insulation materials are as specified in the schedule drawings;<br>d) mechanical securing of conductors are as specified in the schedule drawings;<br>e) type and mounting of protective devices (e.g. thermal cut-outs) are as specified in the schedule drawings. |                                                             | <b>N/A</b> |
| <b>A.5.5</b> | <b>Terminal boxes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |            |
|              | Documented procedures should ensure that the following are verified:<br>a) terminals are as specified in the schedule drawings;<br>b) creepage distances and clearances as specified in the schedule drawings have not been compromised.                                                                                                                                                                                                                                                             | Verification performed by quality control inspectors – IS14 | <b>P</b>   |
| <b>A.5.6</b> | <b>Cable Glands, terminals and other accessories</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                             |            |
|              | The dimensions specified in the schedule drawings should be confirmed on a statistical basis. Where entry openings are secured by non-Ex temporary plugs (e.g. for transport only), additional information should be provided.                                                                                                                                                                                                                                                                       | Verification performed by quality control inspectors – IS14 | <b>P</b>   |
| <b>A.5.7</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |            |
|              | Procedures for all routine verifications and tests specified in the schedule drawings should be reviewed, along with the results of those verifications and tests.                                                                                                                                                                                                                                                                                                                                   | Verification performed by quality control inspectors – IS14 | <b>P</b>   |

| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Documents or Comments                                       | Verdict    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|
| <b>A.6</b>   | <b>Ex p – Pressurized equipment covered by IEC 60079-2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                             |            |
| <b>A.6.1</b> | <b>Ingress protection (IP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                             |            |
|              | Documented procedures should ensure that the following is verified:<br>a) weld continuity;<br>b) fitting of gaskets and seals;<br>c) continuity of moulded grooves and tongues;<br>d) application of cements including a visual inspection after curing.                                                                                                                                                                                                                                                                                                                                                                                         | Verification performed by quality control inspectors – IS14 | <b>P</b>   |
| <b>A.6.2</b> | <b>Components and manufacturing process</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |            |
|              | The documented procedure should at least ensure the verification of assemblies with typical components as specified in the schedule drawings:<br>a) Monitoring devices (and their location), for pressure, differential pressure, purging time, rate of volume, flow, temperature;<br>b) Ex Components and Ex Equipment;<br>c) Enclosure, enclosure parts, materials of enclosure and enclosure parts and gaskets.                                                                                                                                                                                                                               |                                                             | <b>N/A</b> |
| <b>A.6.3</b> | <b>Components, constructional characteristics</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                             |            |
|              | The documented procedure should include the verification, the manufacturing processes and quality assurance technology for components and constructional characteristics relevant for safety as specified in the schedule drawings:<br>a) Purging openings inside the pressurized enclosure or in the enclosure wall;<br>b) Internal installations (components, partitions, enclosures);<br>c) Installations into the enclosure wall (components, entries);<br>d) Purging pipes, purge controller components (internal, external) should be verified with respect to their constructional specifications and the constructional characteristics. |                                                             | <b>N/A</b> |
| <b>A.6.4</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                             |            |


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| Clause | Requirement                                                                                                                                                                                                                                   | Documents or Comments                                       | Verdict  |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------|
|        | All tests should be documented. Typical tests include:<br>a) a functional test of the pressurized equipment;<br>b) a leakage test;<br>c) an infallible containment system test;<br>d) a containment system for a limited release system test. | Verification performed by quality control inspectors – IS14 | <b>P</b> |

| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Documents or Comments                                       | Verdict  |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|----------|
| <b>A.7</b>   | <b>Ex m – Encapsulation covered by IEC 60079-18</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                             |          |
| <b>A.7.1</b> | <b>Production documentation</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |          |
|              | Thermal protection (e.g. thermal fuses) should be positioned according to and be of the type specified in the schedule drawings. Documented procedures should address the following:<br>a) shelf life and storage of cement, potting compounds;<br>b) mixing;<br>c) surface preparation (degreasing or equivalent is usually required immediately before the potting-operation to ensure good adhesion);<br>d) application e.g. filling instructions, freedom from voids and temperature conditions;<br>e) curing, which should include: curing period, any relevant environmental factors, provision to ensure product is undisturbed during the curing period;<br>f) after curing, an inspection should be done on each potted assembly. Depending on the nature and repeatability of the process and the potted assembly, this could be for example using statistical techniques. | Verification performed by quality control inspectors – IS14 | <b>P</b> |
| <b>A.7.2</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                             |          |
|              | All tests should be documented. Typical tests include:<br>a) visual examination;<br>b) dielectric strength test.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Verification performed by quality control inspectors – IS20 | <b>P</b> |

| Clause       | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Documents or Comments | Verdict    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|
| <b>A.8</b>   | <b>Ex o – Liquid immersion covered by IEC 60079-6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                       |            |
| <b>A.8.1</b> | <b>Material control</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |            |
|              | All materials including filling liquid used should be of defined type.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       | <b>N/A</b> |
| <b>A.8.2</b> | <b>Filling</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |            |
|              | Filling method and liquid level should be as stated in the schedule drawings. The process of filling and amount of liquid should be documented.                                                                                                                                                                                                                                                                                                                                                                                                                         |                       | <b>N/A</b> |
| <b>A.8.3</b> | <b>Ingress protection</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |            |
|              | Documented procedures should ensure that the following aspects are verified:<br>a) weld continuity;<br>b) fitting of gaskets and seals;<br>c) continuity of moulded grooves and tongues;<br>d) application of cements including a visual inspection after curing.                                                                                                                                                                                                                                                                                                       |                       | <b>N/A</b> |
| <b>A.8.4</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                       |            |
|              | All tests should be documented. Typical tests include:<br>a) reduced pressure test (sealed enclosures only);<br>b) overpressure test (sealed and unsealed enclosures).<br>Note: IEC 60079-6 Edition 4, Amendment 1 shows in the scope a significant increase in voltage allowed for Ex o Level of Protection "oc" from 15 kV AC RMS or DC and up to 245 kV AC RMS or DC. This will impact on the assessment of the manufacturer where certified equipment with these higher voltages is made because of the routine tests required. See also Decision Sheet DS xxxx/-xx |                       | <b>N/A</b> |




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| Clause       | Requirement                                                                                                                                                                                                                                                       | Documents or Comments                                       | Verdict    |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|
| <b>A.9</b>   | <b>Ex q – Powder filling covered by IEC 60079-5</b>                                                                                                                                                                                                               |                                                             |            |
| <b>A.9.1</b> | <b>Material control</b>                                                                                                                                                                                                                                           |                                                             |            |
|              | Evidence should exist as to the flammability verification of enclosure materials and these materials should align with those specified in the schedule drawings.                                                                                                  | Verification performed by quality control inspectors – IS14 | <b>P</b>   |
| <b>A.9.2</b> | <b>Filling</b>                                                                                                                                                                                                                                                    |                                                             |            |
|              | Filling should be made without voids. Care is needed to ensure that voids are not created after filling by shaking down. The process for filling should be documented and the documentation should include verification criteria.                                 |                                                             | <b>N/A</b> |
| <b>A.9.3</b> | <b>Ingress protection (IP)</b>                                                                                                                                                                                                                                    |                                                             |            |
|              | Documented procedures should ensure that the following aspects are verified:<br>a) weld continuity;<br>b) fitting of gaskets and seals;<br>c) continuity of moulded grooves and tongues;<br>d) application of cements including a visual inspection after curing. |                                                             | <b>N/A</b> |
| <b>A.9.4</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                            |                                                             |            |
|              | All tests should be documented. Typical tests include:<br>a) pressure test;<br>b) dielectric strength test of filling material.                                                                                                                                   | Verification performed by quality control inspectors – IS20 | <b>P</b>   |

|                 |                                                                                                                                                                                                                                                                                                                                   |                                                             |            |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------|
| <b>A.10.4</b>   | <b>Ex nR – Restricted Breathing</b>                                                                                                                                                                                                                                                                                               |                                                             |            |
| <b>A.10.4.1</b> | <b>General requirements</b>                                                                                                                                                                                                                                                                                                       |                                                             |            |
|                 | Documented procedures should ensure that the following are verified:<br>a) creepage distances and clearances of integrated devices, as specified in the schedule drawings, are not affected;<br>b) the dimensions specified in the schedule drawings are confirmed (statistical method may be used only if permitted – see 8.6 ). | Verification performed by quality control inspectors – IS14 | <b>P</b>   |
| <b>A.10.4.2</b> | <b>Cable glands</b>                                                                                                                                                                                                                                                                                                               |                                                             |            |
|                 | Documented methods should ensure that it is clearly distinguished in the schedule drawings which types of Cable Glands are associated with the enclosure forming a unit or being particularly matched and hence are subjected to the routine test of the enclosure.                                                               | Verification performed by quality control inspectors – IS14 | <b>P</b>   |
| <b>A.10.4.3</b> | <b>Plunger actuators, shafts and axles</b>                                                                                                                                                                                                                                                                                        |                                                             |            |
|                 | Documented methods should ensure that no lubricants or similar materials are used prior to the routine test.                                                                                                                                                                                                                      |                                                             | <b>N/A</b> |
| <b>A.10.4.4</b> | <b>Test equipment</b>                                                                                                                                                                                                                                                                                                             |                                                             |            |
|                 | Documented methods should ensure the correct assembling and function of test equipment.                                                                                                                                                                                                                                           |                                                             | <b>N/A</b> |
| <b>A.10.4.5</b> | <b>Routine tests</b>                                                                                                                                                                                                                                                                                                              |                                                             |            |
|                 | All routine tests including procedure and records should be documented. These are basically pressure tests for restricted-breathing enclosures and electronic starter and ignition devices.                                                                                                                                       | Verification performed by quality control inspectors – IS14 | <b>P</b>   |

| Clause        | Requirement                                                                                                                                                                                                         | Documents or Comments                       | Verdict  |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|----------|
| <b>A.11</b>   | <b>Ex t – Dust ignition protection by enclosure covered by IEC 60079-31</b>                                                                                                                                         |                                             |          |
| <b>A.11.1</b> | <b>Casting</b>                                                                                                                                                                                                      |                                             |          |
|               | Castings should be subject to verification that demonstrates conformity with the schedule drawing, e.g.:<br>a) wall thickness (including the non-machinable parts);<br>b) cracks, inclusions, bubbles and porosity. | Verification performed by operators. – IS12 | <b>P</b> |
| <b>A.11.2</b> | <b>Enclosure parts</b>                                                                                                                                                                                              |                                             |          |





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|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|---------|
|               | Enclosure parts should be subject to verification that demonstrates conformity with the schedule drawing, e.g.:<br>a) depths of bore holes and tap holes;<br>b) dimensional requirements for those enclosure parts relevant for sealing effectiveness or mechanical stability;<br>c) insulating coatings and surface conditioning; material, layer thickness.                                                                                                                                                                                                                                               | Verification performed by operators. – IS11                 | P       |
| <b>A.11.3</b> | <b>Gaskets</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |         |
|               | Documented procedures should address the following:<br>a) the gaskets correspond to the quoted specification;<br>b) the sealing elements' effectiveness, e.g. by checking the sealing elements' correct fit.<br>If a gasket's correct fit becomes apparent only after assembly, the imprint could be visually examined, e.g. by use of adequate tools such as chalk.                                                                                                                                                                                                                                        | Verification performed by operators. – IS14                 | P       |
| <b>A.11.4</b> | <b>Protection devices</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                             |         |
|               | Protection devices should be subject to verification that demonstrates conformity with the schedule drawings. Wherever protection devices (e.g. thermal safety devices) are specified in the certificate, they should be verified according to type and placement.                                                                                                                                                                                                                                                                                                                                          |                                                             | N/A     |
| <b>A.11.5</b> | <b>Cemented and cast enclosure parts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                             |         |
|               | Documented procedures should address the following:<br>a) shelf life and storage of cement, potting compounds;<br>b) mixing;<br>c) surface preparation (degreasing or equivalent is usually required immediately before the potting-operation to ensure good adhesion);<br>d) application e.g. filling instructions, freedom from voids and temperature conditions;<br>e) curing, which should include: curing period, any relevant environmental factors, provision to ensure product is undisturbed during the curing period;<br>f) after curing, 100% visual inspection should be done on each assembly. | Verification performed by quality control inspectors – IS14 | P       |
| <b>A.11.6</b> | <b>Ingress protection (IP)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                             |         |
|               | Documented procedures should ensure that the following is verified:<br>a) weld continuity;<br>b) fitting of gaskets and seals;<br>c) continuity of moulded grooves and tongues;<br>d) application of cements including a visual inspection after curing.                                                                                                                                                                                                                                                                                                                                                    | Verification performed by quality control inspectors – IS14 | P       |
| <b>A.11.7</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                             |         |
|               | All tests should be documented. Typical tests include:<br>a) the visual inspection;<br>b) further verification and test requirements can result from the concepts of the dusts explosion protection standards. However, these can essentially be derived from the requirements for the types of protection listed so far.                                                                                                                                                                                                                                                                                   | Verification performed by quality control inspectors – IS14 | P       |


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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------|----------|
| <b>A.12</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Ex op – Optical radiation covered by IEC 60079-28</b> |                                             |          |
| <p>The following features should be verified for equipment containing source(s) of optical radiation. For components, this normally means verifying the marking on the components or packaging and may be achieved by using statistical techniques where appropriate:</p> <p>a) optical source;<br/>b) driver circuit;<br/>c) Fibre optic connectors;<br/>d) Fibre optic cable;<br/>e) enclosure construction;<br/>f) optical components, which have an impact on the safety relevant properties of the optical beam (e.g. lenses, filters, mirrors).</p> |                                                          | Verification performed by operators. – IS14 | <b>P</b> |

| Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Requirement                                  | Documents or Comments | Verdict    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------|------------|
| <b>A.13</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <b>Gas detectors covered by IEC 60079-29</b> |                       |            |
| <p>The manufacturer should confirm the regular operation of the measuring function by performing the following checks on each gas detector manufactured:</p> <p>a) input and output functions, e.g. operation of displays, LEDs, alarms and push buttons;<br/>b) sensitivity of the sensor;<br/>c) software version.</p> <p>In addition, the following checks should be performed on a sample basis:</p> <p>1) response time;<br/>2) calibration curve;<br/>3) response to other gases, if applicable;<br/>4) long-term stability;<br/>5) any other check that is considered necessary to confirm the measuring function is in compliance with the relevant standards (for example, effects of temperature or humidity on sensors);</p> |                                              |                       | <b>N/A</b> |

|                                                                                                                                                                                                                                                                                                                                                    |                                                                |  |            |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--|------------|
| <b>A.14</b>                                                                                                                                                                                                                                                                                                                                        | <b>Ex h – Non-electrical equipment covered by ISO 80079-36</b> |  |            |
| <b>A.14.1</b>                                                                                                                                                                                                                                                                                                                                      | <b>General</b>                                                 |  |            |
| <p>The following safety aspects as specified in the technical documentation should be realized by systematic production techniques and/or verifications and tests based on written procedures.</p> <p>For protection concepts based on types of protection "d", "p" and "t", the safety aspects laid down in A.3, A.6 and A.11 may also apply.</p> |                                                                |  | <b>N/A</b> |
| <b>A.14.2</b>                                                                                                                                                                                                                                                                                                                                      | <b>Non-metallic parts</b>                                      |  |            |
| <p>Non-metallic parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:</p> <p>a) material characteristics;<br/>b) finish;<br/>c) surface resistance;<br/>d) surface area of non-conductive parts;<br/>e) limitation of thickness;<br/>f) measures for charge bonding (earthed frames).</p>         |                                                                |  | <b>N/A</b> |
| <b>A.14.3</b>                                                                                                                                                                                                                                                                                                                                      | <b>Casing and external parts</b>                               |  |            |
| <p>Casing and external parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:</p> <p>a) material of the casing and content of light metals;</p>                                                                                                                                                    |                                                                |  | <b>N/A</b> |


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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--|------------|
| b) protection of removable parts against unintentional or inadvertent removal;<br>c) materials used for cementing including a visual inspection after curing.                                                                                                                                                                                                                                                                                           |                                                               |  |            |
| <b>A.14.4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Earthing and equipotential bonding of conductive parts</b> |  |            |
| The following parts should be subject to verification that demonstrates conformity with the schedule drawings:<br>a) earthing terminal;<br>b) effective connection of conductive parts;<br>c) bonding cables.                                                                                                                                                                                                                                           |                                                               |  | <b>N/A</b> |
| <b>A.14.5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Light transmitting parts</b>                               |  |            |
| The following light transmitting parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) material;<br>b) integrity;<br>c) guards and protective covers.                                                                                                                                                                                                                                            |                                                               |  | <b>N/A</b> |
| <b>A.14.6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Ingress protection (IP)</b>                                |  |            |
| The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) weld continuity;<br>b) fitting of gaskets and seals;<br>c) continuity of moulded grooves and tongues;<br>d) after curing, an inspection should be done on each cemented part. Depending on the nature and repeatability of the cementing process and the cemented part, this could be for example use statistical techniques |                                                               |  | <b>N/A</b> |

| Clause                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Requirement                                                                                    | Documents or Comments | Verdict    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------|------------|
| <b>A.15</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Non-electrical equipment protected by constructional safety "c" covered by ISO 80079-37</b> |                       |            |
| <b>A.15.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>General</b>                                                                                 |                       |            |
| Additional to the safety aspects for non-electrical equipment defined in A.14 the following safety aspects are relevant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                       | <b>N/A</b> |
| <b>A.15.2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Metal-based material</b>                                                                    |                       |            |
| The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) material name complies with the requirement;<br>b) material properties (composition with regard to corrosion, thermal conduction and mechanical sparks, mass fraction of aluminium, titanium, magnesium, zirconium, flammability);<br>c) cracks, inclusions, blow holes and porosity (either by a visual test or another suitable test method depending on exposure);<br>d) heat treatment (e.g. hardening, tempering);<br>e) dimensional accuracy including all parts without machining. |                                                                                                |                       | <b>N/A</b> |
| <b>A.15.3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Machining</b>                                                                               |                       |            |
| The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) compliance with tolerances for shape, position, concentricity, quality of finish;<br>b) dimensional accuracy of functional surfaces (e.g. tolerances for diameters; especially for indicator unit pre-adjustment and correct polarity);<br>c) depth and configuration of cut-in to ensure the constructional intended stress concentration.                                                                                                                                               |                                                                                                |                       | <b>N/A</b> |
| <b>A.15.4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Cemented joints and potted assemblies</b>                                                   |                       |            |
| The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                |                       | <b>N/A</b> |


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| Clause        | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Documents or Comments | Verdict    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|
|               | a) shelf-life and storage of adhesives and casting compounds;<br>b) mixing procedure;<br>c) surface treatment (degreasing or equivalent measures are usually required immediately before the potting-process to ensure proper adhesion);<br>d) curing process, which should include: curing time, any relevant environmental factors and all provisions made to ensure that the curing process will proceed without disturbance;<br>e) after curing, 100 % visual inspection should be done on each potted assembly. |                       |            |
| <b>A.15.5</b> | <b>Assembling</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |            |
|               | The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) correct components and parts;<br>b) distances between moving parts or between fixed and moving parts;<br>c) equipotential bonding between subassemblies;<br>d) mechanical seals;<br>e) protective covers.                                                                                                                                                                                 |                       | <b>N/A</b> |
| <b>A.15.6</b> | <b>Routine tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |            |
|               | The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) sealing systems (fit, lubrication, initial tension, primary pressure);<br>b) dynamic vibrations (e.g. critical rotation speed, bearing at standstill or at transport);<br>c) functional test of the complete assembly (distance between rotor/stator modules, clamping, clearance, free room of motion).                                                                                  |                       | <b>N/A</b> |
| <b>A.15.7</b> | <b>Power transmission systems</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |            |
|               | The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) conditions of the lubrication;<br>b) belt tension;<br>c) equipotential bonding (especially couplings, belt drives, chain drives, gears, shafts).                                                                                                                                                                                                                                          |                       | <b>N/A</b> |
| <b>A.16</b>   | <b>Non-electrical equipment protected by control of ignition sources "b" covered by ISO 80079-37</b>                                                                                                                                                                                                                                                                                                                                                                                                                 |                       |            |
| <b>A.16.1</b> | <b>General</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |            |
|               | Additional to the safety aspects for non-electrical equipment defined in A.14 the following safety aspects are relevant.                                                                                                                                                                                                                                                                                                                                                                                             |                       | <b>N/A</b> |
| <b>A.16.2</b> | <b>Ignition protection system</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |            |
|               | The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) selection of appropriate sensors, actuators and other relevant parts (e.g. temperature range);<br>b) indicating devices marked to indicate the maximum and minimum operating levels;                                                                                                                                                                                                      |                       | <b>N/A</b> |
| <b>A.16.3</b> | <b>Assembling</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |            |
|               | The following parts should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) installation of sensors and actuators (fail safe characteristics, separate power supply);<br>b) connection installation of sensors;<br>c) position of sensors;<br>d) correct interfacing.                                                                                                                                                                                                 |                       | <b>N/A</b> |
| <b>A.16.4</b> | <b>Routine verifications and tests</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                       |            |
|               | Typically, the following routine verifications and tests should be done at the manufacturers' site. If the ignition protection system is intended                                                                                                                                                                                                                                                                                                                                                                    |                       | <b>N/A</b> |


**IECEX QUALITY  
ASSESSMENT REPORT**


Other logos

Report No.:

**C4012944**

QAR No.:

**IT/CES/QAR12.0006/12**

| Clause | Requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Documents or Comments | Verdict |
|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------|
|        | to be assembled during installation at the users' site, the instructions should give specific guidance how to carry out these tests.<br>The following tests should be performed in order to demonstrate conformity with the schedule drawings, e.g.:<br>a) tests before initial operation or specification of these tests in the instructions;<br>b) functioning;<br>c) accuracy;<br>d) response behavior;<br>e) fail-safe;<br>f) interlocking of settings. |                       |         |

| Clause        | Requirement                                                                                                                                                                                                                                                                                              | Documents or Comments | Verdict    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|
| <b>A.17</b>   | <b>Non-electrical equipment protected by liquid immersion "k" covered by ISO 80079-37</b>                                                                                                                                                                                                                |                       |            |
| <b>A.17.1</b> | <b>General</b>                                                                                                                                                                                                                                                                                           |                       |            |
|               | Additional to the safety aspects for non-electrical equipment defined in A.14 the following safety aspects are relevant.                                                                                                                                                                                 |                       | <b>N/A</b> |
| <b>A.17.2</b> | <b>Protective liquid</b>                                                                                                                                                                                                                                                                                 |                       |            |
|               | The following features should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) type of liquid;<br>b) liquid level or flow rate or pressure (depending on the system).                                                                                     |                       | <b>N/A</b> |
| <b>A.17.3</b> | <b>Casing</b>                                                                                                                                                                                                                                                                                            |                       |            |
|               | The following items should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) leak tightness of the protective liquid closed loop;<br>b) protections against unintentional or inadvertent of fastenings;<br>c) measures against protective liquid impurity. |                       | <b>N/A</b> |
| <b>A.17.4</b> | <b>Measuring or indicating devices</b>                                                                                                                                                                                                                                                                   |                       |            |
|               | The following features should be subject to verification that demonstrates conformity with the schedule drawings, e.g.:<br>a) dipstick;<br>b) marking of maximum/minimum criteria for the protective liquid level;<br>c) marking of maximum permissible angle of inclination.                            |                       | <b>N/A</b> |

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------|
| <b>A.18</b> | <b>Flame arresters covered by ISO 16852</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |            |
|             | Documented procedures should ensure that the following aspects are verified, if relevant:<br>a) gap width measurement on the enclosure, between cage and enclosure, on thread openings into the enclosure and between flame arrester and enclosure;<br>b) flow measurement;<br>c) leak test of housing;<br>d) pressure test of housing;<br>e) assurance of material properties;<br>f) tests of welded joints;<br>g) determination of limits of use;<br>h) measurement of the triangle's height, dimension or of the porosity of the flame arrester element;<br>i) marking of the pipe connection facilities to be protected. |  | <b>N/A</b> |



# IECEX QUALITY ASSESSMENT REPORT



Other logos

Report No.:

C4012944

QAR No.:

IT/CES/QAR12.0006/12

## 4. List of certificates relating to IECEX QAR

The assessment has been mainly conducted by checking the documentation system and the manufacturing of the following Ex products.

The following products were added at this stage: Lighting Fixtures.

While the protection methods already included last year and highlighted in bold;

are related to BARTEC FN and BARTEC Germany, for which FENEX is an additional production site.

### *Products type:*

- Cable Glands and fittings for electrical installation.
- Enclosures.
- Control, command, automation and measurement units
- Lighting Fixtures

### *Types of protection:*

- Flameproof enclosures 'd';
- Dust ignition protection by enclosure "t"
- **Increased safety 'e';**
- **Intrinsic safety "i" for command enclosures and for cable glands**
- **DUST protection by intrinsic safety "i"**
- **Powder filling "q"**
- **DUST protection by encapsulation "m"**
- **GAS protection by encapsulation "m"**
- **Protection by Inherently safe optical radiation "op is"**
- **Protection by protected optical radiation "op pr"**
- **Type of protection 'n'**
- **GAS protection by Pressurized equipment "p"**

The full list of the CoC IECEX and ATEX certificates hold by the manufacturer is in the annexed document "Activity data" (13 pages), dated 2024/09/17.

### ANNEX:

- a) Copies of the signed minutes of the audit in Italian language (13 + 3 + 4 + 10 pages)
- b) List of Ex and Quality documents dated 2024/09/17 (2 pages)
- c) List of Ex critical Suppliers updated on 2024/09/17 (1 page)
- d) Copy of ISO 9001 Certificate (2 pages)

Notification No.: CESI 06 ATEX 070 Q

IECEX QAR No.: IT/CES/QAR12.0006

Manufacturer.: FENEX S.r.l.



|                                                                                   |                                            |                                                                                     |                             |
|-----------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------|
|  | <b>IECEX QUALITY<br/>ASSESSMENT REPORT</b> |  | Other logos                 |
| Report No.:                                                                       | <b>C4012944</b>                            | QAR No.:                                                                            | <b>IT/CES/QAR12.0006/12</b> |

5. **Audit non-conformities and observations**

|               |                                                   |               |  |               |
|---------------|---------------------------------------------------|---------------|--|---------------|
| Customer:     | FENEX SRL                                         | Project. No.: |  | Page 30 of 31 |
| Project name: | Re-assessment audit according to ISO/IEC 80079-34 |               |  |               |

| No | Date       | Non-conformities (ref clause and standard) | Customer response                              | Lead auditor acceptance | Closed |
|----|------------|--------------------------------------------|------------------------------------------------|-------------------------|--------|
| 1. | 201x-xx-xx | Requirement:<br>Failure:<br>Evidence:      | Root cause analysis:<br><br>Corrective action: |                         |        |

| No | Date       | Observations (ref clause and standard)                                                                                                                                                                                          | Customer response | Lead auditor acceptance | Closed |
|----|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------|--------|
| 1. | 2024-09-17 | Requirement: 8.4<br>Observation: It is recommended to verify that all critical Ex suppliers submit the declaration of conformity according to Annex C of EN ISO/IEC 80079-34 including suppliers performing surface treatments. |                   |                         |        |
| 2. | 2024-09-17 | Requirement: 8.4<br>Observation: It is recommended in the case of purchasing Ex-certified products to verify the presence of certificate of conformity and safety instructions in paper form                                    |                   |                         |        |

*[Handwritten signature]*

|             |                          |                                                                                     |                             |
|-------------|--------------------------|-------------------------------------------------------------------------------------|-----------------------------|
| <b>CESI</b> | <b>IECEx QUALITY</b>     |  | Other logos                 |
|             | <b>ASSESSMENT REPORT</b> |                                                                                     |                             |
| Report No.: | <b>C4012944</b>          | QAR No.:                                                                            | <b>IT/CES/QAR12.0006/12</b> |

**Audit non-conformities and observations previous audit**

| No | Date       | Observations (ref clause and standard)                                                                                                                                                                                                                                                                                                                                                                                          | Customer response                                                                                                                                    | Lead auditor acceptance | Closed     |
|----|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|
| 1. | 2023-12-21 | <b>Requirement:</b> 7.5<br><b>Observation:</b> We reiterate the need to complete the scope in the Ex quality manual/plan with the IECEx certificates of BARTEC FN; BARTEC Varnost; BARTEC Germany where FENEX results as an additional production site and therefore covered by QAR. Furthermore, for the types of equipment and protection methods added, it is necessary to prepare all the relevant procedures/instructions. | The Quality Manual which also has within it the additional Ex requirements to comply with EN ISO/IEC 80079-34 has been updated. The update concerned | POSITIVE                | 2024/09/17 |
| 2. | 2023-12-21 | <b>Requirement:</b> 8.4<br><b>Observation:</b> It is recommended to include requests for declarations of conformity on purchase orders and to verify that the declarations issued by suppliers correspond to the contents required by Annex C of EN ISO IEC 80079-34..                                                                                                                                                          | Seen example of supplier's declaration of conformity dated 17/09/2024 in accordance with Annex C of EN ISO/IEC 80079-34 ROLDO Foundry                | POSITIVE                | 2024/09/17 |

|                                                                                   |           |                    |                                     |
|-----------------------------------------------------------------------------------|-----------|--------------------|-------------------------------------|
|  | ATEX QAN  | CESI 06 ATEX 070 Q | <input checked="" type="checkbox"/> |
|  | IECEX QAR | IT/CES/QAR12.0006  | <input checked="" type="checkbox"/> |
|  | UKCA QAN  | CML XX UKQAN XXXX  | <input type="checkbox"/>            |

| AUDIT N° 20                                                                                                 |                          |                              |                          |                                         |                                     |
|-------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------|--------------------------|-----------------------------------------|-------------------------------------|
| 1a Certificazione<br>1 <sup>st</sup> Certification                                                          | <input type="checkbox"/> | Sorveglianza<br>Surveillance | <input type="checkbox"/> | Rinnovo<br>Renewal                      | <input checked="" type="checkbox"/> |
|                                                                                                             |                          |                              |                          | Estensione<br>Extension                 | <input type="checkbox"/>            |
| Ci sono variazioni rispetto alla precedente verifica?<br>Are there modifications respect to previous audit? |                          |                              |                          | YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/>         |

|                                                                                                |                                                                                       |                             |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------|
| Costruttore / Manufacturer                                                                     |                                                                                       | File N.                     |
| FENEX S.r.l.                                                                                   |                                                                                       | 102                         |
| Indirizzo / Address                                                                            | Città / City                                                                          | CAP / PO Box                |
| Via Carducci 16                                                                                | Moraro (GO)                                                                           | 34070                       |
| Persone da contattare / Person to be contacted                                                 | Telefono / Telephone                                                                  | Fax                         |
| Emanuele CABASS                                                                                | 0481-808263                                                                           | 0481-809155                 |
| E-mail                                                                                         | Sito Web / Web site                                                                   | N. di addetti / Employees n |
| <a href="mailto:e.cabass@bartec-fn.com">e.cabass@bartec-fn.com</a>                             | <a href="http://www.bartec.de">www.bartec.de</a>                                      | 94                          |
| Norma di riferimento e allegato direttiva ATEX e UKCA / Reference standard and ATEX/UKCA Annex |                                                                                       |                             |
| <input type="checkbox"/>                                                                       | EN ISO/IEC 80079-34:2020 – allegato/annex IV Direttiva/Directive 2014/34/UE           |                             |
| <input checked="" type="checkbox"/>                                                            | EN ISO/IEC 80079-34:2020 – allegato/annex VII Direttiva/Directive 2014/34/UE          |                             |
| <input checked="" type="checkbox"/>                                                            | ISO/IEC 80079-34:2018 – IECEx Scheme, IECEx Rules 01 e 02                             |                             |
| <input type="checkbox"/>                                                                       | BS EN ISO/IEC 80079-34:2020 – Part 2 UKSI 2016 No. 1107 (as amended by UKSI 2019:696) |                             |
| <input type="checkbox"/>                                                                       | BS EN ISO/IEC 80079-34:2020 – Part 5 UKSI 2016 No. 1107 (as amended by UKSI 2019:696) |                             |

| ATEX                                                                            |                                                                   |                                                               |                                                                  |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|
| Prodotto                                                                        | Modo di protezione                                                | Products                                                      | Type of protection                                               |
| Raccorderia per impianti elettrici ed accessori per custodie                    | Custodie a prova d'esplosione "d"                                 | Fittings for electrical installations                         | Flameproof enclosures "d"                                        |
|                                                                                 | Costruzioni per polveri combustibili "tD"                         |                                                               | Dust ignition protection "tD"                                    |
|                                                                                 | Protezione polveri mediante custodia "t"                          |                                                               | Dust ignition protection by enclosure "t"                        |
|                                                                                 | Sicurezza aumentata "e"                                           |                                                               | Increased safety "e"                                             |
|                                                                                 | Sicurezza intrinseca "i" per custodie di comando e per pressacavi |                                                               | Intrinsic safety "i" for command enclosures and for cable glands |
| IECEX                                                                           |                                                                   |                                                               |                                                                  |
| Prodotto                                                                        | Modo di protezione                                                | Products                                                      | Type of protection                                               |
| Pressacavi e raccorderia per impianti elettrici ed accessori per custodie       | Custodie a prova d'esplosione "d"                                 | Cable glands and fittings for electrical installations        | Flameproof enclosures "d"                                        |
|                                                                                 | Costruzioni per polveri combustibili "tD"                         |                                                               | Dust ignition protection "tD"                                    |
|                                                                                 | Protezione polveri mediante custodia "t"                          |                                                               | Dust ignition protection by enclosure "t"                        |
|                                                                                 | Sicurezza aumentata "e"                                           |                                                               | Increased safety "e"                                             |
| Custodie per apparecchiature elettriche, unità di automazione, comando e misura | Sicurezza intrinseca "i" per custodie di comando e per pressacavi | Control Enclosures, command, automation and measurement units | Intrinsic safety "i" for command enclosures and for cable glands |
|                                                                                 | Protezione DUST a sicurezza intrinseca "i"                        |                                                               | DUST protection by intrinsic safety "i"                          |
|                                                                                 | Riempimento polverulento "q"                                      |                                                               | Powder filling "q"                                               |
|                                                                                 |                                                                   |                                                               | DUST protection by encapsulation "m"                             |

|                      |                                                                                                                                                                                                                                     |                   |                                                                                                                                                                                    |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Armature illuminanti | Protezione POLVERI per incapsulamento "m"<br>Protezione GAS per incapsulamento "m"<br>Protezione ottica a sicurezza inerente "op is"<br>Protezione ottica "op pr"<br>Modo di protezione 'n'<br>Protezione GAS a sovrappressione "p" | Lighting fixtures | GAS protection by encapsulation "m"<br>Optical protection by inherent safety "op is"<br>Optical protection "op pr"<br>Type of protection 'n'<br>GAS protection by overpressure "p" |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| UKCA     |                    |          |                    |
|----------|--------------------|----------|--------------------|
| Prodotto | Modo di protezione | Products | Type of protection |
|          |                    |          |                    |
|          |                    |          |                    |

In occasione di questo rinnovo, viene ridimensionato il campo di applicazione QAN eliminando 3 modi di protezione, inoltre viene aggiunta una tipologia di apparecchiatura nel QAR

On the occasion of this renewal, the QAN scope is resized by eliminating 3 protection modes, and an equipment type is added in the QAR

ELENCO DEI CERTIFICATI DI ESAME UE DEL TIPO / LIST OF UE TYPE EXAMINATION CERTIFICATES

Le parti aggiunte sono evidenziate in verde / Added parts are highlighted in green

| Ind. | Certificate number       | Ext. | Date       | Equipment                                                               | ATEX Marking | Marking according to the standards                                   |                                                        | Harmonized standards                                                                     | Notes (modifications in the extension)                                                                                                                                                    | No Pro. |
|------|--------------------------|------|------------|-------------------------------------------------------------------------|--------------|----------------------------------------------------------------------|--------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|      |                          |      |            |                                                                         |              | Gas                                                                  | Dust                                                   |                                                                                          |                                                                                                                                                                                           |         |
| 1    | LOM 06 ATEX 3079U        | 2    | 14/11/2014 | Accessori per apparecchiature serie RE-REM-REB-REN-NP-EM-ELF-LBH-PLG-MC | II 2GD       | Ex d IIB Gb<br>Ex d IIC Gb<br>Ex e II Gb                             | Ex tb IIIC Db IP66                                     | EN60079-0:2012<br>EN60079-1:2007<br>EN60079-7:2007<br>EN60079-31:2009                    | Aggiornamento normativo                                                                                                                                                                   | X       |
| 2    | INERIS 07 ATEX 0007<br>X | 2    | 09/07/2015 | Scatole morsetti GUA – HEVF – S – GUAJ                                  | II 2GD       | Ex d IIC T6 or T5 or T4 or T3 Gb<br>Ex e IIC T6 or T5 or T4 or T3 Gb | Ex tb IIIC T85°C or T100°C or T135°C or T200°C Db IP66 | EN60079-0:2012<br>EN60079-1:2007<br>EN60079-7:2007<br>EN60079-31:2014                    | Aggiornamento normativo nuova protezione “Ex e”<br>Nuovi morsetti per “Ex d”, Nuovi accessori certificati, aggiunte condizioni speciali “X”<br>nuovi intervalli Tamb fino a -60°C + 130°C | X       |
| 3    | INERIS 07 ATEX 0001X     | 3    | 08/07/2014 | Pressacavi per cavi armati e non armati PA-PAP-PNA-PNAF                 | II 2GD       | Ex d IIC Gb / Ex e II Gb / Ex ia IIC Gb                              | Ex tb IIIC Db IP66<br>Ex tb IIIC Db IP66/68            | EN60079-0:2009<br>EN60079-1:2007<br>EN60079-7:2007<br>EN60079-11:2012<br>EN60079-31:2009 | Possibilità d’uso di differenti guarnizioni piane. Modificato elementi interni di compressione per tutti i size dei pressacavi non armati                                                 | X       |
| 4    | INERIS 07 ATEX 9004U     | 2    | 30/04/2015 | Scatole vuote GUA – HEVF – S – GUAJ                                     | II 2GD       | Ex d IIC Gb / Ex e IIC Gb                                            | Ex tb IIIC Db IP66                                     | EN60079-0:2012<br>EN60079-1:2007<br>EN60079-31:2014<br>EN60079-7:2007                    | Aggiornamento normativo, nuova protezione “Ex e”                                                                                                                                          | X       |
| 5    | INERIS 12 ATEX 0088X     | 0    | 16/01/2013 | Raccordi a tre pezzi B... B...C                                         | II 2GD       | Ex d IIB Gb / Ex d IIC Gb                                            | Ex tb IIIC Db IP66/67                                  | EN60079-0:2009<br>EN60079-1:2007<br>EN60079-31:2009                                      | Tamb- -50°C + 130°C                                                                                                                                                                       | X       |
| 6    | INERIS 07 ATEX 9001U     | 1    | 11/01/2013 | Raccordi flessibili saldati TFII                                        | II 2GD       | Ex d IIB Gb / Ex d IIC Gb                                            | Ex tb IIIC Db IP66/67                                  | EN60079-0:2009<br>EN60079-1:2007<br>EN60079-31:2009                                      | Aggiornamento normativo                                                                                                                                                                   | X       |
| 7    | ICEPI 11 ATEX 03C002     | 0    | 03/03/2011 | Raccordi di bloccaggio EYS-EZS-EYD-EZD-EZSY                             | II2 GD       | Ex d IIC                                                             | Ex tD A21 IP66                                         | EN60079-0:2006;<br>EN60079-1:2007<br>EN61241-0:2006<br>EN61241-1:2004                    | Tamb- -20°C + 60°C con resina poliuretanica<br>Tamb- -20°C + 80°C con resina epossidica                                                                                                   |         |

RAPPRESENTANTE DEL COSTRUTTORE / MANUFACTURER REPRESENTATIVE

Emanuele CABASS

FIRMA e TIMBRO / SIGNATURE and STAMP

  
Fentex SRL  
Via Carducci, 16  
34070 MORARO (GO)  
C.F. e Part. IVA: 01058300318

DATA / DATE

2024/09/18

| Ind. | Certificate number      | Ext. | Date       | Equipment                                                                                                   | ATEX Marking | Marking according to the standards |                    | Harmonized standards                                                                    | Notes (modifications in the extension)                                                                         | No Pro. |
|------|-------------------------|------|------------|-------------------------------------------------------------------------------------------------------------|--------------|------------------------------------|--------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------|
|      |                         |      |            |                                                                                                             |              | Gas                                | Dust               |                                                                                         |                                                                                                                |         |
| 8    | ICEPI<br>11ATEX03C007U  | 0    | 23/09/2011 | Passanti sigillati NPS-<br>NPSE-NPSC                                                                        | II 2GD       | Ex d IIC                           | Ex tD A21 IP66     | EN60079-0:2006;<br>EN60079-1:2007<br>EN61241-0:2006<br>EN61241-1:2004                   | Tamb- -20°C + 60°C con<br>resina poliuretanica<br>Tamb- -20°C + 80°C con<br>resina epossidica                  |         |
| 9    | IMQ 11 ATEX 007X        | 0    | 04/11/2011 | Pressacavi in<br>poliammide PCE                                                                             | II 2GD       | Ex e II                            | Ex tD A21 IP65/68  | EN60079-0:2006<br>EN60079-7:2007<br>EN60079-11:2007<br>EN61241-0:2006<br>EN61241-1:2004 | Tamb- -40°C + 95°C                                                                                             | X       |
| 10   | EXA 13 ATEX 0009U       | 0    | 23/08/2013 | Adattatori,tappi,curve,c<br>urve apribili, nippli,<br>manicotti RE-REM-REB-<br>REN-NP-EM-ELF-LBH-<br>PLG-MC | II 2GD       | Ex d IIC Gb / Ex e IIC Gb          | Ex tb IIIC Db IP66 | EN60079-0:2012<br>EN60079-1:2007<br>EN60079-7:2007<br>EN60079-31:2009                   |                                                                                                                | X       |
| 11   | EXA 14 ATEX 0063U       | 0    | 17/11/2014 | Valvoline di drenaggio e<br>respirazione ECD1<br>Valvoline di drenaggio e<br>respirazione ECD1              | II 2GD       | Ex d IIC Gb / Ex e IIC Gb          | Ex tb IIIC Db IP66 | EN60079-0:2012<br>EN60079-1:2007<br>EN60079-7:2007<br>EN60079-31:2009                   | emissione                                                                                                      | X       |
|      |                         | 1    | 20/02/2015 |                                                                                                             |              |                                    |                    |                                                                                         | Cambiato codice da<br>ECD1 a ECD, Aumentato<br>volume libero interno<br>custodie per uso con<br>valvoline ECD1 | X       |
| 12   | INERIS 07 ATEX<br>9002U | 0    | 03/10/2007 | Raccordi a tre pezzi B...<br>B...C                                                                          | II 2GD       | Ex d IIB / Ex d IIC                | Ex tD A21 IP66/67  | EN60079-0:2006<br>EN60079-1:2004<br>EN61241-0:2006<br>EN61241-1:2004                    |                                                                                                                | X       |

ELENCO DEI CoC IN ACCORDO ALLO SCHEMA IECEx / LIST OF CoC ACCORDING TO IECEx SCHEME

Le parti aggiunte sono evidenziate in verde / Added parts are highlighted in green

| Ind. | Certificate number | Issue | Date       | Equipment                                                                                       | Marking according to the standards      |                                                  | Standards                                                                                     | Notes (modifications in the extension)                                                                                                       | No Pro. |
|------|--------------------|-------|------------|-------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|---------|
|      |                    |       |            |                                                                                                 | Gas                                     | Dust                                             |                                                                                               |                                                                                                                                              |         |
| 1    | IECEx INE 12.0048X | 1     | 21/07/2015 | Scatole morsetti GUA – HEVF – S – GUAJ                                                          | Ex d IIC Gb / Ex e II Gb T6, T5, T4, T3 | Ex tb IIIC Db IP66 T85°C, T100°C, T135°C, T200°C | IEC60079-0:2011<br>IEC60079-1:2007<br>IEC60079-7:2006<br>IEC60079-31:2013                     | Aggiornamento normativo nuova protezione “Ex e”<br>Nuovi morsetti per “Ex d”<br>Inserimento nuovi accessori con certificato di componente    | X       |
| 2    | IECEx INE 13.0018X | 2     | 16/07/2014 | Pressacavi per cavi armati e non armati PA-PAP-PNA-PNAF                                         | Ex d IIC Gb / Ex e II Gb / Ex ia IIC Gb | Ex tb IIIC Db IP66<br>Ex tb IIIC Db IP66/68      | IEC60079-0:2011<br>IEC60079-1:2007<br>IEC60079-7:2006<br>IEC60079-31:2008<br>IEC60079-11:2011 | Possibilità d’uso di differenti guarnizioni piane.<br>Modificato elementi interni di compressione per tutti i size dei pressacavi non armati | X       |
| 3    | IECEx INE 12.0049U | 1     | 26/06/2015 | Scatole vuote GUA – HEVF – S – GUAJ                                                             | Ex d IIC Gb / Ex e IIC Gb               | Ex tb IIIC Db IP66                               | IEC60079-0:2011<br>IEC60079-1:2007<br>IEC60079-31:2013<br>IEC60079-7:2006                     | Aggiornamento normativo nuova protezione “Ex e”                                                                                              | X       |
| 4    | IECEx INE 12.0052X | 0     | 20/12/2012 | Raccordi a tre pezzi B... B...C                                                                 | Ex d IIB Gb / Ex d IIC Gb               | Ex tb IIIC Db IP66/67                            | IEC60079-0:2011<br>IEC60079-1:2007<br>IEC60079-31:2008                                        |                                                                                                                                              | X       |
| 5    | IECEx INE 12.0058U | 0     | 21/12/2012 | Raccordi flessibili saldati TFII                                                                | Ex d IIB Gb / Ex d IIC Gb               | Ex tb IIIC Db IP66/67                            | IEC60079-0:2011<br>IEC60079-1:2007<br>IEC60079-31:2008                                        |                                                                                                                                              | X       |
| 6    | IECEx EXA 13.0001U | 0     | 23/08/2013 | Adattatori, tappi, curve, curve apribili, nippli, manicotti RE-REM-REB-REN-NP-EM-ELF-LBH-PLG-MC | Ex d IIC Gb / Ex e IIC Gb               | Ex tb IIIC Db IP66                               | IEC60079-0:2011<br>IEC60079-1:2007<br>IEC60079-7:2006<br>IEC60079-31:2008                     |                                                                                                                                              | X       |



| Ind. | Certificate number    | Issue | Date       | Equipment                                                                                              | Marking according to the standards                                                                                                                                                                                |                                                                                                                                                                                                                                    | Standards                                                                          | Notes (modifications in the extension)                                                                                                                    | No Pro. |
|------|-----------------------|-------|------------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|      |                       |       |            |                                                                                                        | Gas                                                                                                                                                                                                               | Dust                                                                                                                                                                                                                               |                                                                                    |                                                                                                                                                           |         |
| 7    | IECEx EXA 14.0006U    | 1     | 20/02/2015 | Valvoline di drenaggio e respirazione ECD1                                                             | Ex d IIC Gb / Ex e IIC Gb                                                                                                                                                                                         | Ex tb IIIC Db IP66                                                                                                                                                                                                                 | IEC60079-0:2011<br>IEC60079-1:2007<br>IEC60079-7:2006<br>IEC60079-31:2013          | Cambiato codice da ECD1 a ECD, Aumentato volume libero interno custodie per uso con valvoline ECD1                                                        | X       |
| 8    | IECEx IBE 09.0016U FN | 6     | 15/06/2023 | Custodie vuote di tipo 07-56.1-.../... e 07-55.1-.../...                                               | Ex eb IIC Gb                                                                                                                                                                                                      | Ex tb IIIC Db                                                                                                                                                                                                                      | IEC60079-0:2017<br>IEC60079-7:2017<br>IEC60079-31:2013                             | Le custodie vengono ora prodotte da BARTEC FN Srl Aggiornamento alle ultime edizioni delle norme Temperatura minima di servizio cambiata da -55°C a -40°C |         |
| 9    | IECEx IBE 09.0017 V   | 4     | 14/11/2018 | Custodie in metallo con flangia di tipo 07-56.-.../...                                                 | Ex eb IIC T6, T5 Gb<br>Ex eb ia/ib IIC T6, T5 Gb<br>Ex ia/ib IIC T6 Gb                                                                                                                                            | Ex tb IIIC T80°C, T95°C Db<br>Ex ia/ib IIIC T80°C Db                                                                                                                                                                               | IEC60079-0:2011<br>IEC60079-7:2015<br>IEC60079-11:2011<br>IEC60079-31:2013         | Nuovo modello tipo 07-55 aggiunto. Ulteriore sito di produzione aggiunto. Aggiornamento normativo                                                         | X       |
| 10   | IECEx IBE 09.0017 FN  | 5     | 20/06/2023 | Custodie di giunzione in acciaio inox e pannelli di distribuzione tipo 07-56.-.../... e 07-55.-.../... | Modelli 07-56.2-.../... e 07-55.2-.../... :<br>Ex eb IIC T6/T5 Gb<br>Modelli 07-56.3-.../... e 07-55.3-.../... :<br>Ex eb ia/ib IIC T6/T5 Gb<br>Modelli 07-56.4-.../... e 07-55.4-.../... :<br>Ex ia/ib IIC T6 Gb | Modelli 07-56.2-.../... e 07-55.2-.../... :<br>Ex tb IIIC T80/T95 °C Db<br>Modelli 07-56.3-.../... e 07-55.3-.../... :<br>Ex tb ia/ib IIIC T80/T95 °C Db<br>Modelli 07-56.4-.../... e 07-55.4-.../... :<br>Ex ia/ib IIIC T80 °C Db | IEC 60079-0 :2017<br>IEC 60079-11 :2011<br>IEC 60079-31 :2013<br>IEC 60079-7 :2017 |                                                                                                                                                           |         |

| Ind. | Certificate number       | Issue | Date       | Equipment                                                                                                      | Marking according to the standards                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Standards                                                                                                                                                                                                                  | Notes (modifications in the extension)                                                                                                                                                                  | No Pro. |
|------|--------------------------|-------|------------|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|      |                          |       |            |                                                                                                                | Gas                                                                                                                                                                                                                                                                                                                                                                        | Dust                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                            |                                                                                                                                                                                                         |         |
| 11   | IECEx IBE 12.0031X<br>G  | 3     | 28/07/2023 | Combinazione controlli di misura e quadri tipo 07-3***-****/**** e scatole di giunzione tipo 07-3T**_****/**** | Modello 07-31**_****/**** :<br>Ex db eb ia ib [ib] ma mb op is [op is] op pr [pxb] [pyb] q 60079-30-1 [60079-30-1] IIA, IIB, o IIC T6, T5, T4, o T3 Gb<br><br>Ex db eb ia ib [ia Ga] ma mb op is [op is] op pr [pxb] [pyb] q 60079-30-1 [60079-30-1] IIA, IIB, o IIC T6, T5, T4, o T3 Gb<br>Modello 07-3T**_****/**** :<br>Ex eb ia ib IIA, IIB, o IIC T6, T5, T4, o T3 Gb | Modello 07-31**_****/**** :<br>Ex tb ia ib [ib] ma mb op is [op is] op pr [pxb] [pyb] IIA, IIB, o IIC, T80 °C, T95 °C, o T130 °C Db<br><br>Ex tb ia ib [ia Da] ma mb op is [op is] op pr [pxb] [pyb] IIA, IIB, o IIC, T80 °C, T95 °C, o T130 °C Db<br><br>Modello 07-3S**_****/**** :<br>Ex tb ia ib [ib] ma mb op is [op is] op pr [pxb] [pyb] IIA, IIB, o IIC, T80 °C, T95 °C, o T130 °C Db<br><br>Ex tb ia ib [ia Da] ma mb op is [op is] op pr [pxb] [pyb] IIA, IIB, o IIC, T80 °C, T95 °C, o T130 °C Db<br><br>Modello 07-3T**_****/**** :<br>Ex tb ia ib IIA, IIB, o IIC, T80 °C, T95 °C, o T130 °C Db | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-11 :2011<br>IEC 60079-18 :2017<br>IEC 60079-2 :2014<br>IEC 60079-28 :2015<br>IEC 60079-31 :2013<br>IEC 60079-5 :2015<br>IEC 60079-7 :2017<br>IEC/IEEE 60079-30-1 :2015 | Aggiunto nuovo modello di scatola di giunzione<br>Aggiornamento alle ultime edizioni delle norme<br>Estensione della lista di prodotti Ex, pertanto i dati tecnici e le marcature sono stati modificati |         |
| 12   | IECEx ITS 23.0006X<br>FN | 0     | 31/07/2023 | Custodie modello EJBM*                                                                                         | Ex db IIB+H2 Tx Gb<br>Ex db [ia IIA or IIB or IIC Ga] IIA or IIB or IIB+H2 Tx Gb<br>Ex db [ib IIA or IIB or IIC Gb] IIA or IIB or IIB+H2 Tx Gb                                                                                                                                                                                                                             | Ex tb IIC Tx Db<br>Ex tb [ia Da] IIC Tx Db<br>Ex tb [ib Db] IIC Tx Db                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-11 :2023<br>IEC 60079-31 :2013                                                                                                                                         |                                                                                                                                                                                                         |         |

| Ind. | Certificate number       | Issue | Date       | Equipment                                           | Marking according to the standards        |                                              | Standards                                                                                                                     | Notes (modifications in the extension)                                                                                                                                                                                             | No Pro. |
|------|--------------------------|-------|------------|-----------------------------------------------------|-------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|      |                          |       |            |                                                     | Gas                                       | Dust                                         |                                                                                                                               |                                                                                                                                                                                                                                    |         |
| 13   | IECEX ITS 23.0005U<br>FN | 0     | 14/07/2023 | Custodie vuote modello EJBmX                        | Ex db IIB+H2 Gb                           | Ex tb IIIC Db IP66                           | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-31 :2013                                                                  |                                                                                                                                                                                                                                    |         |
| 14   | IECEX INE 12.0021X<br>FN | 4     | 14/09/2023 | Scatole di giunzione GUA..., S... o EAHF...         | Ex db or eb T6...T3 IIC Gb                | Ex tb IIIC T85°C...T200°C<br>Db IP66         | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-31 :2022<br>IEC 60079-7 :2017                                             | Aggiornamento alle ultime edizioni delle norme<br>Modifica del nome del produttore<br>Aggiornamento della lista dei componenti Ex                                                                                                  |         |
| 15   | IECEX EPS 13.0045U<br>G  | 3     | 27/03/2023 | Passanti sigillati 07-91**-**** e 57-91**-****/**** | Ex db IIC Gb                              |                                              | IEC 60079-0 :2017<br>IEC 60079-1 :2014                                                                                        | Aggiunta di altri luoghi di produzione                                                                                                                                                                                             |         |
| 16   | IECEX EXA 14.0004U<br>FN | 2     | 02/11/2022 | Valvola di drenaggio e respiro tipo ECD****         | Ex db IIC Gb<br>Ex eb IIC Gb              | Ex tb IIIC Db                                | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-31 :2013<br>IEC 60079-7 :2017                                             | Aggiornamento alle ultime edizioni delle norme<br>Cambio del nome del produttore<br>Aggiunta Fenex Srl come luogo di produzione<br>Aggiunta opzione dei brand BARTEC FEAM o BARTEC NASP assieme alla frase : prodotto da BARTEC FN |         |
| 17   | IECEX INE 11.0016X<br>FN | 4     | 03/05/2023 | Custodie tipo ESA... o ESX...                       | Ex db eb ia/ib ia ib mb IIC<br>T6...T3 Gb | Ex tb IIIC T85°C...T200°C<br>Db IP66 or IP65 | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-11 :2011<br>IEC 60079-18 :2017<br>IEC 60079-31 :2013<br>IEC 60079-7 :2017 | Aggiornamento alle ultime edizioni delle norme<br>Aggiornamento della lista dei componenti Ex                                                                                                                                      |         |



| Ind. | Certificate number       | Issue | Date       | Equipment                                               | Marking according to the standards                            |                                | Standards                                                                                                                     | Notes (modifications in the extension)                                                                                                                                                                                                                                                                     | No Pro. |
|------|--------------------------|-------|------------|---------------------------------------------------------|---------------------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|      |                          |       |            |                                                         | Gas                                                           | Dust                           |                                                                                                                               |                                                                                                                                                                                                                                                                                                            |         |
| 18   | IECEX INE 11.0017X<br>FN | 6     | 24/05/2023 | Pressacavi tipo P**-P**N-P**R-<br>P**NR-P**B-P**NB      | Ex db IIC Gb / Ex eb IIC Gb / Ex<br>ia IIC Gb<br>Ex nR IIC Gc | Ex tb IIIC Db<br>Ex tc IIIC Dc | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-11 :2011<br>IEC 60079-15 :2017<br>IEC 60079-31 :2013<br>IEC 60079-7 :2017 | Aggiunti i nuovi modelli<br>tipo P**B e P**NB<br>Aggiunte nuove opzioni<br>di filettatura<br>Aggiunta della<br>protezione nR secondo<br>le norma IEC 60079-<br>15 :2017 per modelli<br>P**N-P**NR e P**NB                                                                                                  |         |
| 19   | IECEX INE 13.0073U<br>FN | 4     | 23/01/2023 | Operatori tipo PM10X – EFI* -<br>EFP* - EFL*PC* - EFPL3 | Ex db IIB+H2 Gb<br>Ex db IIC Gb                               | Ex tb IIIC Db IP66             | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-31 :2013                                                                  | Aumento del max<br>volume ammissibile per<br>le custodie in cui gli<br>operatori possono<br>essere installati, per il<br>gruppo IIB+H2 con T<br>ambiente max di +60°C<br>Rimozione delle<br>limitazioni di volume<br>per operatori tipo<br>EFL*PC*<br>Aggiornamento alle<br>ultime edizioni delle<br>norme |         |

| Ind. | Certificate number       | Issue | Date       | Equipment                                                               | Marking according to the standards                                                                                                                                                                                 |                                                                                                                                                                                                                                                                       | Standards                                                       | Notes (modifications in the extension)                                                                                                                                                                                                                                                                                        | No Pro. |
|------|--------------------------|-------|------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
|      |                          |       |            |                                                                         | Gas                                                                                                                                                                                                                | Dust                                                                                                                                                                                                                                                                  |                                                                 |                                                                                                                                                                                                                                                                                                                               |         |
| 20   | IECEx INE 13.0082U<br>FN | 3     | 16/01/2023 | Custodie vuote tipo GUB* e<br>GUBW*                                     | Ex db IIC Gb                                                                                                                                                                                                       | Ex tb IIIC Db IP66                                                                                                                                                                                                                                                    | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-31 :2013    | Applicazione della<br>norma 60079-0 :2017<br>Aggiunta dell'avviso sul<br>pericolo di cariche<br>elettrostatiche<br>Aggiornamento della<br>documentazione, in<br>particolare della tabella<br>relativa alle aree<br>forabili<br>Diminuzione dello<br>spessore del vetro per<br>il modello GUBW3 da<br>15 mm a 10 mm o 12<br>mm |         |
| 21   | IECEx INE 13.0075X<br>FN | 5     | 23/10/2023 | Apparecchi illuminanti tipo EVAC...                                     | Per modello convenzionale:<br>Ex db IIC T6...T2 Gb<br>Per versione LED tipo<br>EVAC...LED, EVAC...L* ed<br>EVAC...L*-C*:<br>Ex db IIC T6 o T5 o T4 Gb<br>Per versione LED tipo<br>EVAC501L*-H*:<br>Ex db IIC T4 Gb | Per modello<br>convenzionale:<br>Ex tb IIIC T85°C ...<br>T225°C Db IP66<br>Per versione LED tipo<br>EVAC...LED, EVAC...L* ed<br>EVAC...L*-C*:<br>Ex tb IIIC T85°C o T100°C<br>o T135°C Db IP66<br>Per versione LED tipo<br>EVAC501L*-H*:<br>Ex tb IIIC T135°C Db IP66 | IEC 60079-0 :2017<br>IEC 60079-1 :2014<br>IEC 60079-31 :2013    | -Introduzione modelli<br>EVAC501L*-H1 o H2<br>-Rimozione<br>marcatuta « op is »                                                                                                                                                                                                                                               |         |
| 22   | IECEx IBE 20.0041U<br>FN | 0     | 05/03/2024 | Custodie in poliestere tipo<br>07-5184-****/**** e<br>07-5185-****/**** | Ex eb IIC Gb                                                                                                                                                                                                       | Ex tb IIIC Gb                                                                                                                                                                                                                                                         | IEC 60079-0 :2017<br>IEC 60079-7 :2017<br>IEC 60079-31 :2022    |                                                                                                                                                                                                                                                                                                                               |         |
| 23   | IECEx ITS 24.0015X<br>FN | 0     | 06/08/2024 | Sealing fittings type<br>EZS                                            | Ex db IIC T6 Gb                                                                                                                                                                                                    | Ex tb IIIC T85°C Db IP66                                                                                                                                                                                                                                              | IEC 60079-0 : 2017<br>IEC 60079-1 : 2014<br>IEC 60079-31 : 2013 | -First issue                                                                                                                                                                                                                                                                                                                  |         |

| Ind. | Certificate number                                                                                                                                                                                                                                                                                                     | Issue | Date | Equipment | Marking according to the standards |      | Standards | Notes (modifications in the extension) | No Pro. |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|-----------|------------------------------------|------|-----------|----------------------------------------|---------|
|      |                                                                                                                                                                                                                                                                                                                        |       |      |           | Gas                                | Dust |           |                                        |         |
|      | Tutti i certificati evidenziati in giallo non sono più prodotti a nome BARTEC FENEX, ma a nome BARTEC FN<br>Tutti i certificati evidenziati in verde sono prodotti con certificati di proprietà di:<br>Bartec Varnost identificati con 'V';<br>Bartec FN identificati con 'FN';<br>Bartec Germany identificati con 'G' |       |      |           |                                    |      |           |                                        |         |

ELENCO DEI CERTIFICATI DI TIPO IN ACCORDO ALLO SCHEMA UKCA / LIST OF UKCA TYPE EXAMINATION CERTIFICATES

Le parti aggiunte sono evidenziate in verde / Added parts are highlighted in green

| Ind. | Certificate number | Ext. | Date | Equipment | UKCA<br>Marking | Marking according to the standards |      | Designated standards | Notes (modifications in<br>the extension) | No Pro. |
|------|--------------------|------|------|-----------|-----------------|------------------------------------|------|----------------------|-------------------------------------------|---------|
|      |                    |      |      |           |                 | Gas                                | Dust |                      |                                           |         |
|      |                    |      |      |           |                 |                                    |      |                      |                                           |         |
|      |                    |      |      |           |                 |                                    |      |                      |                                           |         |
|      |                    |      |      |           |                 |                                    |      |                      |                                           |         |
|      |                    |      |      |           |                 |                                    |      |                      |                                           |         |

RAPPRESENTANTE DEL COSTRUTTORE / MANUFACTURER REPRESENTATIVE

Emanuele CABASS

FIRMA e TIMBRO / SIGNATURE and STAMP

 **Fentex** SRL  
Via Carducci, 16  
24070 MORARO (GO)  
C.F. e Part. IVA: 01058300510

DATA / DATE

2024/09/18



**Note per la compilazione / Notes for compiling:**

| colonna / column          | Nota / Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Ind.</i>               | Inserire un indice progressivo. Mantenere lo stesso indice per le righe relative a estensioni dello stesso certificato ( <b>1, 2, 3, ...</b> ).<br><i>Insert a progressive index. Maintaining the same index for lines relevant to extensions of the same certificate (1, 2, 3, ...).</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <i>Certificate number</i> | Per la tabella ATEX / <i>for ATEX table</i> :<br>Inserire il numero del certificato ATEX nel formato ad esempio: <b>CESI 16 ATEX 999 X</b> .<br><i>Insert the ATEX certificate number in the format e.g.: CESI 16 ATEX 999 X.</i><br>Per la tabella IECEX / <i>for IECEX table</i> :<br>Inserire il numero del certificato nel formato ad esempio: <b>IECEX CES 16.9999 X</b> .<br><i>Insert the IECEX certificate number in the format e.g.: IECEX CES 16.9999 X.</i><br>Per la tabella UKCA / <i>for UKCA table</i> :<br>Inserire il numero del certificato UKCA nel formato ad esempio: <b>CML 21 UKEX 9999 X</b> .<br><i>Insert the ATEX certificate number in the format e.g.: CML 21 UKEX 9999 X</i>                                                                                                                                                                                                                                                                                                                                                  |
| <i>Ext.</i>               | Indice dell'estensione del certificato ATEX/UKCA oppure 0 per la prima emissione ( <b>0, 1, 2, 3, ...</b> ).<br><i>Extension index of the ATEX/UKCA certificate or 0 for the first issue (0, 1, 2, 3, ...).</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <i>Issue</i>              | Indice della emissione del certificato IECEX ( <b>0, 1, 2, 3, ...</b> ).<br><i>Issue index of the IECEX certificate or 0 for the first issue (0, 1, 2, 3, ...).</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <i>Date</i>               | Data presente nel certificato o estensione emesso dall'ente.<br><i>Date of the certificate or extension/issue issued by the certification body.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <i>Equipment</i>          | Descrizione dell'apparecchiatura come riportata sul certificato emesso dall'ente.<br><i>Equipment description as written on the certificate issued by the certification body.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <i>ATEX Marking</i>       | Marcatura richiesta dalla direttiva ATEX, es.: <b>II 2GD; I M1; 1/2G</b> . Nel caso il certificato preveda più marcature, usare il carattere ";" come separatore, senza cambiare la riga della tabella.<br><i>Marking of the ATEX directive, e.g.: II 2GD; I M1; 1/2G. In case the certificate foresees multiple marking, use character ";" as separator, without changing row in the table.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <i>Gas</i>                | Marcatura richiesta dalle norme per la protezione contro i gas. Es. <b>Ex db IIC T6, T5 Gb</b> . Nel caso il certificato preveda più marcature, usare il carattere ";" come separatore, senza cambiare la riga della tabella.<br><i>Marking required by the standards for the protection against gases, e.g.: Ex db IIC T6, T5 Gb. In case the certificate foresees multiple marking, use character ";" as separator, without changing row in the table.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <i>Dust</i>               | Marcatura richiesta dalle norme per la protezione contro le polveri. Es. <b>Ex tb IIIC T85°C Db</b> . Nel caso il certificato preveda più marcature, usare il carattere ";" come separatore, senza cambiare la riga della tabella.<br><i>Marking required by the standards for the protection against dusts, e.g.: Ex tb IIIC T85°C Db. In case the certificate foresees multiple marking, use character ";" as separator, without changing row in the table.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <i>Standards</i>          | Per la tabella ATEX / <i>for ATEX table</i> :<br>Riportare l'elenco delle norme armonizzate riportate nel certificato (es. <b>EN/IEC 60079-0:2018</b> ).<br><i>Write down the list of harmonized standards as shown in the certificate (e.g. EN/IEC 60079-0:2018).</i><br>Per la tabella IECEX / <i>for IECEX table</i> :<br>Riportare l'elenco delle norme internazionali riportate nel certificato (es. <b>IEC 60079-0:2017</b> ).<br><i>Write down the list of international standards as shown in the certificate (e.g. IEC 60079-0:2017).</i><br>Per la tabella UKCA / <i>for UKCA table</i> :<br>Riportare l'elenco delle norme armonizzate riportate nel certificato (es. <b>BS /IEC 60079-0:2018</b> ).<br><i>Write down the list of harmonized standards as shown in the certificate (e.g. BS /IEC 60079-0:2018).</i><br>Nel caso il certificato utilizzi più norme, usare il carattere ";" come separatore, senza cambiare riga.<br><i>In case the certificate uses multiple standards, use character ";" as separator, without changing row.</i> |
| <i>Notes</i>              | Inserire le modifiche approvate nelle estensioni o altre note che possano essere utili, come ad esempio l'intervallo della temperatura ambiente.<br><i>Insert the changes approved in the extension or other notes which could be useful, like for example the ambient temperature.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <i>No Prod.</i>           | Riportare una " <b>X</b> " in questa colonna nel caso non ci sia stata produzione dallo scorso audit.<br><i>Put character "X" in this column in case there has not been production since the previous audit.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

Evidenziare in verde il contenuto delle righe cambiate/aggiunte rispetto all'audit precedente.

Highlight in green the content of the rows changed or added with respect to previous audit.

NON UNIRE O DIVIDERE RIGHE E COLONNE!! SE NECESSARIO, AGGIUNGERE RIGHE INTERE.

DO NOT JOIN OR DIVIDE ROWS AND COLUMNS!! IF YOU NEED, YOU CAN ADD FULL ROWS.

|             |                                                    |                          |                              |                          |                    |                                     |                         |                          |                                              |                          |
|-------------|----------------------------------------------------|--------------------------|------------------------------|--------------------------|--------------------|-------------------------------------|-------------------------|--------------------------|----------------------------------------------|--------------------------|
| Audit N. 20 | 1a Certificazione<br>1 <sup>st</sup> Certification | <input type="checkbox"/> | Sorveglianza<br>Surveillance | <input type="checkbox"/> | Rinnovo<br>Renewal | <input checked="" type="checkbox"/> | Estensione<br>Extension | <input type="checkbox"/> | Valutazione Preliminare<br>Preliminary Check | <input type="checkbox"/> |
|-------------|----------------------------------------------------|--------------------------|------------------------------|--------------------------|--------------------|-------------------------------------|-------------------------|--------------------------|----------------------------------------------|--------------------------|

|                                          |                                                                                                |                                                           |  |  |  |  |                              |  |                    |  |  |           |  |  |  |  |
|------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--|--|--|--|------------------------------|--|--------------------|--|--|-----------|--|--|--|--|
| Organizzazione<br>Organization           | Costruttore / Manufacturer<br>FENEX S.r.l.                                                     | Indirizzo / Address<br>Via Carducci 16, 34070 Moraro (GO) |  |  |  |  | DATA / DATE<br>2024/09/16÷17 |  |                    |  |  |           |  |  |  |  |
|                                          | Rappresentante del Costruttore / Manufacturer Representative<br>Dario COLAUT – Emanuele CABASS | Sito Verificato / Audited Site<br>Come sopra              |  |  |  |  | FILE N.<br>102               |  | TIPO DI AUDIT<br>S |  |  |           |  |  |  |  |
| Gruppo di<br>Valutazione /<br>Audit Team | Auditor 1 – Respons. gruppo audit / Audit team leader<br>Sergio GIUGNO                         | Auditor 2<br>Elena BREGOLI                                |  |  |  |  | Auditor 3                    |  |                    |  |  | Auditor 4 |  |  |  |  |

|                                                                       |                          |                                         |  |                       |                                     |     |                             |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
|-----------------------------------------------------------------------|--------------------------|-----------------------------------------|--|-----------------------|-------------------------------------|-----|-----------------------------|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|---------|
| DOCUMENTO DI RIFERIMENTO E PARAGRAFI / REFERENCE DOCUMENT AND CLAUSES |                          |                                         |  |                       |                                     |     |                             |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
|                                                                       | EN ISO/IEC 80079-34:2020 | <input checked="" type="checkbox"/>     |  | ISO/IEC 80079-34:2018 | <input checked="" type="checkbox"/> |     | BS EN ISO/IEC 80079-34:2020 | <input type="checkbox"/> |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
| Dalle /<br>From                                                       | Alle /<br>To             | Funzione Processo /<br>Function Process |  | 4.1                   | 4.2                                 | 4.3 | 4.4                         | 5.1                      | 5.2 | 5.3 | 6.1 | 6.2 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 9.1 | 9.2 | 9.3 | 10.1 | 10.2 | 10.3 | Auditor |

|       |       |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |   |   |     |   |     |   |   |
|-------|-------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|---|---|-----|---|-----|---|---|
|       |       |                                        | 16 settembre 2024 – Sede di Moraro (GO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |   |   |     |   |     |   |   |
| 14:00 | 14:30 | Riunione iniziale<br>Start of meeting  | Presentazione attività e Gruppo di Audit – Presa visione aspetti relativi alla sicurezza: informativa da parte dell’Organizzazione su rischi specifici delle aree oggetto di audit e sulle procedure di emergenza ed evacuazione; indicazioni su idoneità DPI in dotazione al team di audit<br>Presentation of activities and Audit Team - Review of safety aspects: information from the Organisation on specific risks in the areas to be audited and on emergency and evacuation procedures; indications on the suitability of PPE for the audit team |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |   |   | 1+2 |   |     |   |   |
| 14:30 | 15:30 | Fase 1<br>Phase 1                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |   |   |     |   | 1+2 |   |   |
| 15:30 | 17:00 | Direzione<br>Management                | ✓                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |   | ✓ | ✓ | ✓ |   |   |   |  |  |  |  |  |  |  |   |   |     |   | 1   |   |   |
| 17:00 | 18:00 | Risorse umane<br>HR                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   | ✓ |   |   |   |   |   |   | ✓ | ✓ | ✓ |   |   |   |  |  |  |  |  |  |  |   |   |     |   | 1   |   |   |
| 15:30 | 18:00 | Gestione qualità<br>Quality management |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   | ✓ |   |   |   | ✓ | ✓ | ✓ |   |   |   |   | ✓ |   |  |  |  |  |  |  |  | ✓ | ✓ | ✓   | ✓ | ✓   | ✓ | 2 |
|       |       |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |   |   |     |   |     |   |   |
|       |       |                                        | 17 settembre 2024 – Sede di Moraro (GO)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |   |   |     |   |     |   |   |
| 9:00  | 11:00 | Ufficio Tecnico<br>Technical Office    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   | ✓ |   |   |   | ✓ | ✓ |   |   |   |   | ✓ |   |   |  |  |  |  |  |  |  |   |   |     |   | 1   |   |   |
| 9:00  | 11:00 | Commerciale<br>Sales Dept.             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   | ✓ |   |   |   | ✓ | ✓ |   |   |   |   | ✓ |   | ✓ |  |  |  |  |  |  |  |   |   |     |   | 2   |   |   |
|       |       |                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |   |   |     |   |     |   |   |

|                                                                |                       |                           |
|----------------------------------------------------------------|-----------------------|---------------------------|
| RESPONSABILE GRUPPO AUDIT / AUDIT TEAM LEADER<br>Sergio GIUGNO | FIRMA / SIGNATURE<br> | DATA / DATE<br>2024/09/04 |
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|             |                                                    |                          |                              |                          |                    |                                     |                         |                          |                                              |                          |
|-------------|----------------------------------------------------|--------------------------|------------------------------|--------------------------|--------------------|-------------------------------------|-------------------------|--------------------------|----------------------------------------------|--------------------------|
| Audit N. 20 | 1a Certificazione<br>1 <sup>st</sup> Certification | <input type="checkbox"/> | Sorveglianza<br>Surveillance | <input type="checkbox"/> | Rinnovo<br>Renewal | <input checked="" type="checkbox"/> | Estensione<br>Extension | <input type="checkbox"/> | Valutazione Preliminare<br>Preliminary Check | <input type="checkbox"/> |
|-------------|----------------------------------------------------|--------------------------|------------------------------|--------------------------|--------------------|-------------------------------------|-------------------------|--------------------------|----------------------------------------------|--------------------------|

|                                          |                                                                                                |                                                           |  |  |  |  |                              |  |                    |  |  |           |  |  |  |  |
|------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--|--|--|--|------------------------------|--|--------------------|--|--|-----------|--|--|--|--|
| Organizzazione<br>Organization           | Costruttore / Manufacturer<br>FENEX S.r.l.                                                     | Indirizzo / Address<br>Via Carducci 16, 34070 Moraro (GO) |  |  |  |  | DATA / DATE<br>2024/09/16÷17 |  |                    |  |  |           |  |  |  |  |
|                                          | Rappresentante del Costruttore / Manufacturer Representative<br>Dario COLAUT – Emanuele CABASS | Sito Verificato / Audited Site<br>Come sopra              |  |  |  |  | FILE N.<br>102               |  | TIPO DI AUDIT<br>S |  |  |           |  |  |  |  |
| Gruppo di<br>Valutazione /<br>Audit Team | Auditor 1 – Respons. gruppo audit / Audit team leader<br>Sergio GIUGNO                         | Auditor 2<br>Elena BREGOLI                                |  |  |  |  | Auditor 3                    |  |                    |  |  | Auditor 4 |  |  |  |  |

|                                                                       |                          |                                         |  |                       |                                     |     |                             |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
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| DOCUMENTO DI RIFERIMENTO E PARAGRAFI / REFERENCE DOCUMENT AND CLAUSES |                          |                                         |  |                       |                                     |     |                             |                          |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
|                                                                       | EN ISO/IEC 80079-34:2020 | <input checked="" type="checkbox"/>     |  | ISO/IEC 80079-34:2018 | <input checked="" type="checkbox"/> |     | BS EN ISO/IEC 80079-34:2020 | <input type="checkbox"/> |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
| Dalle /<br>From                                                       | Alle /<br>To             | Funzione Processo /<br>Function Process |  | 4.1                   | 4.2                                 | 4.3 | 4.4                         | 5.1                      | 5.2 | 5.3 | 6.1 | 6.2 | 6.3 | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 9.1 | 9.2 | 9.3 | 10.1 | 10.2 | 10.3 | Auditor |

|       |       |                                                                                                   |                                                                                                                                                                                                                                |  |  |   |  |  |  |   |   |  |   |  |  |   |   |  |  |   |  |   |   |   |  |  |  |  |  |  |     |  |  |  |   |     |
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| 11:00 | 12:00 | Approvvigionamenti<br>Purchasing                                                                  |                                                                                                                                                                                                                                |  |  | ✓ |  |  |  | ✓ | ✓ |  |   |  |  | ✓ | ✓ |  |  | ✓ |  |   | ✓ |   |  |  |  |  |  |  |     |  |  |  | 2 |     |
| 11:00 | 13:00 | controlli in ingresso<br>Incoming Inspection                                                      |                                                                                                                                                                                                                                |  |  |   |  |  |  |   |   |  |   |  |  |   |   |  |  |   |  |   |   |   |  |  |  |  |  |  |     |  |  |  |   | 1   |
| 13:00 | 14:00 | Pausa                                                                                             |                                                                                                                                                                                                                                |  |  |   |  |  |  |   |   |  |   |  |  |   |   |  |  |   |  |   |   |   |  |  |  |  |  |  |     |  |  |  |   | 1+2 |
| 14:00 | 16:00 | Pianificazione, produzione,<br>collaudi e consegna<br>Planning, production, testing &<br>delivery |                                                                                                                                                                                                                                |  |  | ✓ |  |  |  | ✓ | ✓ |  |   |  |  | ✓ |   |  |  |   |  | ✓ | ✓ | ✓ |  |  |  |  |  |  |     |  |  |  |   | 1   |
| 16:00 | 17:00 | Attrezzature e strumenti<br>Maintenance and measuring<br>instruments                              |                                                                                                                                                                                                                                |  |  | ✓ |  |  |  | ✓ | ✓ |  | ✓ |  |  |   |   |  |  |   |  |   |   | ✓ |  |  |  |  |  |  |     |  |  |  |   | 1   |
| 17:00 | 17:30 | Stesura rapporto<br>Preparation of Audit Report                                                   | Riesame delle evidenze e dei documenti. Stesura report di audit e di eventuali rapporti di Non Conformità riscontrate.<br>Review of evidence and documents. Preparation of audit reports and any Non-Compliance reports found. |  |  |   |  |  |  |   |   |  |   |  |  |   |   |  |  |   |  |   |   |   |  |  |  |  |  |  | 1+2 |  |  |  |   |     |
| 17:30 | 18:00 | Riunione di chiusura<br>Final meeting                                                             | Presentazione dei risultati dell'audit e di eventuali Non Conformità ed Osservazioni riscontrate.<br>Presentation of the results of the audit and of any non-conformities and observations found.                              |  |  |   |  |  |  |   |   |  |   |  |  |   |   |  |  |   |  |   |   |   |  |  |  |  |  |  | 1+2 |  |  |  |   |     |

**Nota 1:** Può essere richiesta la sostituzione dei membri del GVI dietro richiesta scritta e motivata presentata entro 5 giorni dalla ricezione del piano di visita qualora sussistano motivi che potrebbero pregiudicare l'imparzialità del GVI stesso

**Note 1:** Replacement of the members of the GVI may be requested in writing, stating the reasons for the request, within 5 days of receipt of the visit plan, if there are reasons that might compromise the GVI's impartiality

|                                                                |                       |                           |
|----------------------------------------------------------------|-----------------------|---------------------------|
| RESPONSABILE GRUPPO AUDIT / AUDIT TEAM LEADER<br>Sergio GIUGNO | FIRMA / SIGNATURE<br> | DATA / DATE<br>2024/09/04 |
|----------------------------------------------------------------|-----------------------|---------------------------|

|             |                                                    |                          |                              |                          |                    |                                     |                         |                          |                                              |                          |
|-------------|----------------------------------------------------|--------------------------|------------------------------|--------------------------|--------------------|-------------------------------------|-------------------------|--------------------------|----------------------------------------------|--------------------------|
| Audit N. 20 | 1a Certificazione<br>1 <sup>st</sup> Certification | <input type="checkbox"/> | Sorveglianza<br>Surveillance | <input type="checkbox"/> | Rinnovo<br>Renewal | <input checked="" type="checkbox"/> | Estensione<br>Extension | <input type="checkbox"/> | Valutazione Preliminare<br>Preliminary Check | <input type="checkbox"/> |
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|                                          |                                                                                                |                                                           |  |  |  |                            |  |  |  |  |           |                              |  |  |  |           |                    |  |  |  |  |  |  |  |  |
|------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--|--|--|----------------------------|--|--|--|--|-----------|------------------------------|--|--|--|-----------|--------------------|--|--|--|--|--|--|--|--|
| Organizzazione<br>Organization           | Costruttore / Manufacturer<br>FENEX S.r.l.                                                     | Indirizzo / Address<br>Via Carducci 16, 34070 Moraro (GO) |  |  |  |                            |  |  |  |  |           | DATA / DATE<br>2024/09/16÷17 |  |  |  |           |                    |  |  |  |  |  |  |  |  |
|                                          | Rappresentante del Costruttore / Manufacturer Representative<br>Dario COLAUT – Emanuele CABASS | Sito Verificato / Audited Site<br>Come sopra              |  |  |  |                            |  |  |  |  |           | FILE N.<br>102               |  |  |  |           | TIPO DI AUDIT<br>S |  |  |  |  |  |  |  |  |
| Gruppo di<br>Valutazione /<br>Audit Team | Auditor 1 – Respons. gruppo audit / Audit team leader<br>Sergio GIUGNO                         |                                                           |  |  |  | Auditor 2<br>Elena BREGOLI |  |  |  |  | Auditor 3 |                              |  |  |  | Auditor 4 |                    |  |  |  |  |  |  |  |  |

|                                                                       |                          |                                         |  |  |  |                                     |     |                       |     |     |     |     |                                     |     |                             |     |     |     |     |                          |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
|-----------------------------------------------------------------------|--------------------------|-----------------------------------------|--|--|--|-------------------------------------|-----|-----------------------|-----|-----|-----|-----|-------------------------------------|-----|-----------------------------|-----|-----|-----|-----|--------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|---------|
| DOCUMENTO DI RIFERIMENTO E PARAGRAFI / REFERENCE DOCUMENT AND CLAUSES |                          |                                         |  |  |  |                                     |     |                       |     |     |     |     |                                     |     |                             |     |     |     |     |                          |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
|                                                                       | EN ISO/IEC 80079-34:2020 |                                         |  |  |  | <input checked="" type="checkbox"/> |     | ISO/IEC 80079-34:2018 |     |     |     |     | <input checked="" type="checkbox"/> |     | BS EN ISO/IEC 80079-34:2020 |     |     |     |     | <input type="checkbox"/> |     |     |     |     |     |     |     |     |     |     |     |      |      |      |         |
| Dalle /<br>From                                                       | Alle /<br>To             | Funzione Processo /<br>Function Process |  |  |  |                                     | 4.1 | 4.2                   | 4.3 | 4.4 | 5.1 | 5.2 | 5.3                                 | 6.1 | 6.2                         | 6.3 | 7.1 | 7.2 | 7.3 | 7.4                      | 7.5 | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 9.1 | 9.2 | 9.3 | 10.1 | 10.2 | 10.3 | Auditor |

**Nota 2:** Se non inseriti nell’organigramma dell’Organizzazione, o muniti di specifico mandato, eventuali consulenti esterni potranno partecipare all’audit esclusivamente come osservatori, nel rispetto delle regole previste per lo schema

**Note 2:** If not included in the organisation's organisation chart, or with a specific mandate, any external consultants may participate in the audit only as observers, in compliance with the rules envisaged for the scheme.

**Nota 3:** Per le attività esterne indicare la tipologia di attività e l’indirizzo

**Note 3:** For external activities, indicate the type of activity and the address

**Modalità di audit:** S = in sito, R = da remoto (teleconferenza, web access, web meeting, ecc.)

**Audit mode:** S = on-site, R = remote (teleconference, web access, web meeting, etc.)

|                                                                |                       |                           |
|----------------------------------------------------------------|-----------------------|---------------------------|
| RESPONSABILE GRUPPO AUDIT / AUDIT TEAM LEADER<br>Sergio GIUGNO | FIRMA / SIGNATURE<br> | DATA / DATE<br>2024/09/04 |
|----------------------------------------------------------------|-----------------------|---------------------------|

| AUDIT N. 20                                                                       |                                                                                                                                     |                |                                                                        |                                                  |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------|--------------------------------------------------|
|  | <input checked="" type="checkbox"/> Secondo la norma EN ISO/IEC 80079-34:2020<br>According to the standard EN ISO/IEC 80079-34:2020 | Allegato Annex | <input type="checkbox"/> IV<br><input checked="" type="checkbox"/> VII | Direttiva ATEX<br>ATEX Directive                 |
|  | <input checked="" type="checkbox"/> Secondo la norma ISO/IEC 80079-34:2018<br>According to the standard ISO/IEC 80079-34:2018       | Regole Rules   | IECEX 01<br>IECEX 02                                                   | IECEX Scheme                                     |
|  | <input type="checkbox"/> Secondo la norma BS EN ISO/IEC 80079-34:2020<br>According to the standard BS EN ISO/IEC 80079-34:2020      | Parte Part     | <input type="checkbox"/> 2<br><input type="checkbox"/> 5               | UKSI 2016 No. 1107 (as amended by UKSI 2019:696) |

|                                |                                                                |                                                           |                |                    |
|--------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|----------------|--------------------|
| Organizzazione<br>Organization | Costruttore / Manufacturer<br>FENEX S.r.l.                     | Indirizzo / Address<br>Via Carducci 16, 34070 Moraro (GO) |                |                    |
|                                | Rapp. Costruttore / Manufacturer Represent.<br>Emanuele CABASS | Sito Verificato / Audited Site<br>Come sopra              | FILE N.<br>102 | TIPO DI AUDIT<br>S |

GRUPPO DI VALUTAZIONE AUDIT / MEMBERS OF THE AUDIT TEAM

| Nome e cognome / Name and surname |               | Ruolo / Position                                           |
|-----------------------------------|---------------|------------------------------------------------------------|
| 1                                 | Sergio GIUGNO | Responsabile gruppo valutazione audit<br>Audit team leader |
| 2                                 | Elena BREGOLI | Auditor<br>Auditor                                         |

DOCUMENTAZIONE DEL SISTEMA DI GESTIONE VERIFICATA  
ASSESSED DOCUMENTATION OF THE MANAGING SYSTEM

| Descrizione / Description                                                                                      | Rev. | Data / Date | Conf. | Non C. | N/A |
|----------------------------------------------------------------------------------------------------------------|------|-------------|-------|--------|-----|
| Manuale del sistema Qualità e x<br>Quality and Ex manual                                                       | 5    | 2024/04/09  | ✓     |        |     |
| Elenco documenti e procedure del sistema qualità ed Ex<br>List of documents and procedure of ex quality system | --   | 2024/09/17  | ✓     |        |     |
|                                                                                                                |      |             |       |        |     |
|                                                                                                                |      |             |       |        |     |
|                                                                                                                |      |             |       |        |     |

COMMENTI SULLA DOCUMENTAZIONE / NOTES CONCERNING THE DOCUMENTATION

L'impostazione del Manuale è corretta e rispondente ai requisiti della Norma di riferimento ISO 9001:2015. Il Piano della qualità integra il MQ e risponde ai requisiti specifici della norma EN ISO/IEC 80079-34. Tutti i documenti citati nell'elenco sono presi in carico ed archiviati da O.N.  
The setting of the Quality Manual is correct and fulfils the requirements of the reference standard ISO 9001:2015. The quality plan integrates the MQ and fulfils the specific requirements of the standard EN ISO/IEC 80079-34. All the documents mentioned in the list are taken over and stored by O.N.

RISULTANZE DELLA VALUTAZIONE DELLA DOCUMENTAZIONE  
FINDING OF THE EVALUATION OF THE DOCUMENTATION

ESITO DELLA VERIFICA  
RESULTS OF VERIFICATION

positivo ☒  
positive

negativo ☐  
negative

positivo con integrazioni ☐  
positive with additions

**GRADO DI PREPARAZIONE ALLA FASE 2**  
**LEVEL OF PREPARATION TO STAGE 2**

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Si / Yes                            | No                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| <b>Identificazione e conoscenza processi significativi Ex</b><br><b>Identification and knowledge of significant Ex processes</b><br>L'attività dell'azienda è stata correttamente schematizzata attraverso l'identificazione dei suoi processi principali. Tali processi sono adeguatamente strutturati e descritti nella documentazione del Sistema di Gestione per la Qualità. Le procedure e le istruzioni di controllo dei processi produttivi relativi al prodotto ATEX rispondono ai requisiti della norma di riferimento.<br><i>The activity of the company has been successfully schematized through the identification of its own principal processes. These processes are adequately structured and described in the documents of the Quality Management System. The procedures and the control instructions of the productive processes relating to the ATEX product fulfil the requirements of the reference standard.</i> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <b>Identificazione e conoscenza dei processi in outsourcing</b><br><b>Identification and knowledge of the outsourcing processes</b><br>Sono identificati i processi in outsourcing e le caratteristiche che influenzano il modo di protezione vengono verificate dal costruttore attraverso i controlli dei processi eseguiti dal fornitore esterno con monitoraggio in ingresso della conformità del prodotto<br><i>The processes in outsourcing are identified and the characteristics influencing the type of protection are verified by the manufacturer through the processes' controls carried out by the external supplier with the supervision in the incoming of the product conformity.</i>                                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <b>Audit interni e riesame della direzione effettuati e registrati in accordo alla norma</b><br><b>Internal audits and management reviews carried out and recorded according to standard</b><br>Sono stati pianificati e svolti gli audit interni di tutti i processi aziendali e uno specifico per il processo ATEX.<br>È stato svolto il riesame della direzione specifico per ATEX in data <b>25/07/2024</b> analizzando il processo di produzione delle apparecchiature certificate.<br><i>It has been planned and carried out the internal audits of all the company processes and a more specific one for the ATEX process.</i><br><i>The specific ATEX management review was carried out on the 2024/07/25, analysing the production process of the certificated equipment</i>                                                                                                                                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <b>Condizioni particolari del sito</b><br><b>Site specific conditions</b><br>Nulla da segnalare.<br><i>Nothing to report</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                     |                          |
| <b>CI SONO SITUAZIONI CHE POTREBBERO ESSERE CLASSIFICATE COME NON CONFORMITÀ NELLA FASE 2?</b><br><b>ARE THERE SITUATIONS THAT COULD BE CLASSIFIED AS NON-COMPLIANCES IN STAGE 2?</b><br><div> SI / YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> </div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                     |                          |

| RILIEVO N.<br><i>FINDING N.</i>                              | REQUISITO NORMA<br><i>STANDARD REQUIREMENT</i> |
|--------------------------------------------------------------|------------------------------------------------|
| <b>AREA:</b>                                                 |                                                |
| <b>DESCRIZIONE DEL RILIEVO / DESCRIPTION OF THE FINDING:</b> |                                                |
|                                                              |                                                |

|                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>IL CAMPO DI APPLICAZIONE DEL SISTEMA DI GESTIONE DELLA QUALITÀ COINCIDE CON QUELLO DICHIARATO IN FASE DI DOMANDA? (indicare eventuali discordanze o mancanze)</b><br><b>IS THE SCOPE OF THE QUALITY MANAGING SYSTEM THE SAME AS STATED AT THE APPLICATION STAGE?</b><br><i>(describe any discrepancies or deficiencies)</i><br>SI/ YES |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**PIANIFICAZIONE DELLA FASE 2**  
**PLANNING FOR STAGE 2**

| PROCESSI                                                                |  | 1 <sup>a</sup> VERIFICA<br>1 <sup>ST</sup> SURVEILLANCE | 2 <sup>a</sup> VERIFICA<br>2 <sup>ND</sup> SURVEILLANCE | RINNOVO<br>RENEWAL |
|-------------------------------------------------------------------------|--|---------------------------------------------------------|---------------------------------------------------------|--------------------|
| Direzione / Management                                                  |  | X                                                       | X                                                       | X                  |
| Risorse Umane / Human Resources                                         |  | X                                                       |                                                         | X                  |
| Sistema Gestione Qualità / Quality management System                    |  | X                                                       | X                                                       | X                  |
| Ufficio tecnico – Documenti<br>Technical Office- documentation          |  | X                                                       | X                                                       | X                  |
| Approvvigionamento/ Purchasing                                          |  |                                                         | X                                                       | X                  |
| Produzione / production                                                 |  | X                                                       | X                                                       | X                  |
| Commerciale / Sales                                                     |  | X                                                       |                                                         | X                  |
| Controllo in accettazione / Incoming inspection                         |  | X                                                       | X                                                       | X                  |
| Strumenti Laboratorio-Attrezzature<br>measuring instruments-Maintenance |  |                                                         | X                                                       | X                  |

| SITI AGGIUNTIVI DA INCLUDERE NELLA PIANIFICAZIONE DI FASE 2:<br>ADDITIONAL SITES TO BE INCLUDED IN THE PLANNING FOR STAGE 2: |     | 1a verific.<br>1 <sup>st</sup> surv. | 2a verific.<br>2 <sup>nd</sup> surv. | Rinnovo<br>Renewal |
|------------------------------------------------------------------------------------------------------------------------------|-----|--------------------------------------|--------------------------------------|--------------------|
| 1.                                                                                                                           | N/A |                                      |                                      |                    |
| 2.                                                                                                                           |     |                                      |                                      |                    |

| La pianificazione di massima per la FASE 2 si ritiene confermata? <sup>(1)</sup><br>Draft planning for STAGE 2 can be considered confirmed? |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SI / YES <input checked="" type="checkbox"/> |                                      | NO <input type="checkbox"/> |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|--------------------------------------|-----------------------------|--|
| PROCESSI IN OUTSOURCING DA INCLUDERE NELLA PIANIFICAZIONE DI FASE 2:<br>OUTSOURCING PROCESSES TO BE INCLUDED IN THE PLANNING FOR STAGE 2:   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1a verific.<br>1 <sup>st</sup> surv.         | 2a verific.<br>2 <sup>nd</sup> surv. | Rinnovo<br>Renewal          |  |
| 1.                                                                                                                                          | Non si ritiene necessario includere audit presso fornitori critici in quanto in riferimento al punto 8.4.1 della 80079-34 le caratteristiche che influenzano il modo di protezione vengono verificate dal costruttore attraverso i controlli dei processi eseguiti dal fornitore esterno con monitoraggio in ingresso della conformità del prodotto<br><i>It is not considered necessary to include audit at critical suppliers because according to the section 8.4.1 of the 80079-34 the characteristics influencing the type of protection are verified by the manufacturer through the processes' controls carried out by the external supplier with the supervision in the incoming of the product conformity.</i> |                                              |                                      |                             |  |
| 2.                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                              |                                      |                             |  |

**NECESSITÀ DI RISORSE AGGIUNTIVE PER LA FASE 2**  
**NEEDS FOR EXTRA RESOURCES FOR STAGE 2**

|                                                                                                                         |                          |                                   |                          |                                        |  |
|-------------------------------------------------------------------------------------------------------------------------|--------------------------|-----------------------------------|--------------------------|----------------------------------------|--|
| Sono necessarie risorse aggiuntive per gli audit di fase 2?<br><i>Are extra resources necessary for stage 2 audits?</i> |                          | SI / YES <input type="checkbox"/> |                          | NO <input checked="" type="checkbox"/> |  |
| ESPERTO TECNICO<br>TECHNICAL EXPERT                                                                                     | <input type="checkbox"/> | TRADUTTORE<br>TRANSLATOR          | <input type="checkbox"/> |                                        |  |
| ALTRO<br>OTHER                                                                                                          | <input type="checkbox"/> |                                   |                          |                                        |  |

|                                                                                           |                                              |                             |
|-------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|
| L'ORGANIZZAZIONE È PRONTA PER LA FASE 2?<br><i>IS THE ORGANIZATION READY FOR STAGE 2?</i> | SI / YES <input checked="" type="checkbox"/> | NO <input type="checkbox"/> |
|-------------------------------------------------------------------------------------------|----------------------------------------------|-----------------------------|

|                                                                                                         |                |
|---------------------------------------------------------------------------------------------------------|----------------|
| TEMPO STIMATO PER LA PREPARAZIONE ALLA FASE 2 <sup>(2)</sup><br>ESTIMATED TIME TO GET READY FOR STAGE 2 | GIORNI<br>DAYS |
|---------------------------------------------------------------------------------------------------------|----------------|

<sup>1</sup> In generale nel caso di semplicità del sistema di gestione e dimensioni contenute dell'organizzazione è possibile effettuare consecutivamente Fase 1 e Fase 2 (purché non vi siano rilievi significativi tali da dover pianificare l'attività in un secondo momento).

<sup>2</sup> Tempo stimato necessario tra FASE 1 e FASE 2 ai fini di chiudere eventuali rilievi identificati durante la FASE 1.



**CONCLUSIONI SULL'AUDIT DI FASE 1**  
**AUDIT CONCLUSIONS OF STAGE 1**

- A conclusione dell'audit di fase 1, svolta presso l'azienda Fenex S.r.l si evidenziano i seguenti aspetti:
- ⇒ la documentazione del SGQ è in linea con la norma di riferimento e adeguata al tipo di apparecchiature e modi di protezione; si rimanda per le osservazioni rilevate a quanto riportato sul verbale di fase 2
  - ⇒ il grado di preparazione dell'organizzazione riguardo ai requisiti della norma e all'identificazione e descrizione dei processi aziendali è adeguato e il giudizio è positivo;
  - ⇒ L'azienda ha il sistema di qualità aziendale certificato in accordo alla norma ISO 9001;
  - ⇒ gli audit interni e il riesame della direzione sono stati pianificati e svolti in modo adeguato al campo di applicazione del sistema di gestione della qualità.

la documentazione è stata analizzata presso l'organizzazione ma non è stata allegata a questo documento.

*At the end of the 1st phase audit, carried out at the company Fenex S.r.l., are highlighted the following aspects:  
the documents of the SGQ is in line with the reference standard and adequate to the type of equipment and the protection modes;  
please refer to what reported on the 2nd phase report*

- ⇒ *the level of preparation of the organization regarding the standard requirements and the identification and description of the company processes is adequate and the verdict is positive.*
- ⇒ *The company has the business system quality certified according to the standard ISO 9001;*
- ⇒ *The internal audit and the re-examination of the directorate has been planned and carried out adequately to the scope of the quality management system.*

*The documentation has been analysed at the establishment but has not been attached to this document.*

I seguenti documenti saranno archiviati presso l'archivio CESI in forma elettronica:

*The following documents will be stored by the CESI database in digital form:*

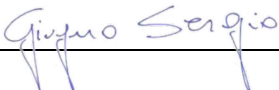
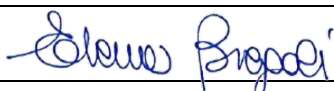
1. Manuale della qualità/quality manual
2. Piani della qualità – Atex-IECEx / Quality plan – Atex-IECEx
3. Elenco dei documenti del sistema qualità/List of QMS and EX documents

**ALLEGATI (DOCUMENTAZIONE ALLEGATA AL VERBALE DI AUDIT):**  
**ANNEXES (DOCUMENTS ANNEXED TO THE AUDIT RECORD):**

- 1 Dati Pratica / Activity Data
- 2 Piano di Audit / Audit Plan
- 3 Verbale di audit di Fase 2 / Audit Report Phase 2
- 4
- 5

**RISERVE ESPRESSE DALL'  
ORGANIZZAZIONE**  
**CONCERNS EXPRESSED BY  
THE ORGANIZATION**

Nulla da segnalare / Nothing to report

|                                  |   | NOME / NAME   | FIRMA / SIGNATURE                                                                    | NOTE |
|----------------------------------|---|---------------|--------------------------------------------------------------------------------------|------|
| GRUPPO DI<br>AUDIT<br>AUDIT TEAM | 1 | Sergio GIUGNO |   | RGVI |
|                                  | 2 | Elena BREGOLI |  | AVI  |

|                                |   |              |                              |               |                             |            |
|--------------------------------|---|--------------|------------------------------|---------------|-----------------------------|------------|
| DURATA AUDIT<br>AUDIT DURATION | 2 | ORE<br>HOURS | DATE VERIFICA<br>AUDIT DATES | 2024/09/16÷17 | DATA VERBALE<br>RECORD DATE | 2024/09/17 |
|--------------------------------|---|--------------|------------------------------|---------------|-----------------------------|------------|

FIRMA RAPPRESENTANTE ORGANIZZAZIONE  
SIGNATURE OF ORGANIZATION REPRESENTATIVE

  
Via Carducci, 16  
34070 MORARO (GO)  
C.F. e Part. IVA: 01058300318

| AUDIT N. 20                                                                       |                                                                                                                                            |                |                                                                        |                                                  |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------|--------------------------------------------------|
|  | <input checked="" type="checkbox"/> Secondo la norma EN ISO/IEC 80079-34:2020<br><i>According to the standard EN ISO/IEC 80079-34:2020</i> | Allegato Annex | <input type="checkbox"/> IV<br><input checked="" type="checkbox"/> VII | Direttiva ATEX<br><i>ATEX Directive</i>          |
|  | <input checked="" type="checkbox"/> Secondo la norma ISO/IEC 80079-34:2018<br><i>According to the standard ISO/IEC 80079-34:2018</i>       | Regole Rules   | IECEx 01<br>IECEx 02                                                   | IECEx Scheme                                     |
|  | <input type="checkbox"/> Secondo la norma BS EN ISO/IEC 80079-34:2020<br><i>According to the standard BS EN ISO/IEC 80079-34:2020</i>      | Parte Part     | <input type="checkbox"/> 2<br><input type="checkbox"/> 5               | UKSI 2016 No. 1107 (as amended by UKSI 2019:696) |

|                                        |                                                                       |                                                                  |                       |                           |
|----------------------------------------|-----------------------------------------------------------------------|------------------------------------------------------------------|-----------------------|---------------------------|
| <b>Organizzazione<br/>Organization</b> | Costruttore / Manufacturer<br><b>FENEX S.r.l.</b>                     | Indirizzo / Address<br><b>Via Carducci 16, 34070 Moraro (GO)</b> |                       |                           |
|                                        | Rapp. Costruttore / Manufacturer Represent.<br><b>Emanuele CABASS</b> | Sito Verificato / Audited Site<br><b>Come sopra</b>              | FILE N.<br><b>102</b> | TIPO DI AUDIT<br><b>S</b> |

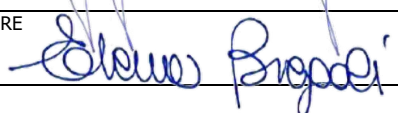
GRUPPO DI VALUTAZIONE AUDIT / MEMBERS OF THE AUDIT TEAM

| Nome e cognome / Name and surname |               | Ruolo / Position                                                  |
|-----------------------------------|---------------|-------------------------------------------------------------------|
| 1                                 | Sergio GIUGNO | Responsabile gruppo valutazione audit<br><i>Audit team leader</i> |
| 2                                 | Elena BREGOLI | Auditor<br><i>Auditor</i>                                         |

Documenti del costruttore utilizzati durante audit / Manufacturer's documents used for audit

|           |                                                                                                                                                                                |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rif / Ref | Manuale e Piano della Qualità per prodotti con certificazione 'Ex', rev.5 del 2024/04/09.<br><i>Quality Manual and Atex and IECEx Quality plan rev.5 updated on 2024/04/09</i> |
| Rif / Ref | Elenco documenti sistema qualità Ex share point del 2024/09/17<br><i>List of quality system Ex share point updated on 2024/09/17</i>                                           |
| Rif / Ref |                                                                                                                                                                                |

| TIPO AUDIT<br>AUDIT TYPE                                                                                                                                                                                                                                                                                                                                                                                                                   | 1a Certificazione<br>1 <sup>st</sup> Certification <input type="checkbox"/> | Sorveglianza<br>Surveillance <input type="checkbox"/> | Rinnovo<br>Renewal <input checked="" type="checkbox"/> | Estensione<br>Extension <input type="checkbox"/> | Visita Preliminare<br>Preliminary check <input type="checkbox"/>                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|-------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                             |                                                       |                                                        |                                                  | SI/YES NO N/A                                                                         |
| Sono state riscontrate delle non conformità nell'espletamento delle attività controllate?<br><i>Have any non-conformity been recorded during this audit?</i>                                                                                                                                                                                                                                                                               |                                                                             |                                                       |                                                        |                                                  | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Le non conformità riscontrate nelle precedenti verifiche sono state efficacemente risolte?<br><i>Have non conformities or audit findings raised up during the previous audit been effectively closed?</i>                                                                                                                                                                                                                                  |                                                                             |                                                       |                                                        |                                                  | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |
| Il Costruttore ha ottenuto nuovi certificati di esame UE di tipo e/o Certificati di Conformità IECEx?<br><i>Has the Manufacturer obtained new EU Type Examination certificates and/or IECEx Certificates of Conformity?</i>                                                                                                                                                                                                                |                                                                             |                                                       |                                                        |                                                  | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| E' necessaria l'emissione di un'estensione alla Notifica e/o al Rapporto di Valutazione Qualità IECEx?<br><i>Is an Extension to the Notification and/or IECEx Quality Assessment Report necessary?</i>                                                                                                                                                                                                                                     |                                                                             |                                                       |                                                        |                                                  | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Il costruttore ha definito la configurazione documentale del sistema gestione qualità Ex e la conservazione, tracciabilità dei documenti a disposizione dell'Organismo Notificato responsabile della Notifica?<br><i>Has the manufacturer defined the document configuration of the Ex-quality management system and the preservation, traceability of the documents made available to the Notified Body responsible for notification?</i> |                                                                             |                                                       |                                                        |                                                  | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| E' stato verificato l'utilizzo dei loghi?<br><i>Has the usage of logos been verified?</i>                                                                                                                                                                                                                                                                                                                                                  |                                                                             |                                                       |                                                        |                                                  | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| L'organizzazione ha il Sistema di Gestione Qualità certificato? Se sì, riportare il numero del certificato<br><i>Does the Organization have a certified Quality Management System? If any, report the certificate number</i>                                                                                                                                                                                                               |                                                                             |                                                       |                                                        |                                                  | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| Certificato con CSQ secondo UNI EN ISO 9001:2015 Pratica N° 13397                                                                                                                                                                                                                                                                                                                                                                          |                                                                             |                                                       |                                                        |                                                  |                                                                                       |

|                                                                                               |                                                                                                            |
|-----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Rappresentante del Costruttore / <i>Manufacturer Representative</i><br><b>Emanuele CABASS</b> | FIRMA / SIGNATURE<br> |
| Responsabile Gruppo Valutazione Audit / <i>Audit Team Leader</i><br><b>Sergio GIUGNO</b>      | FIRMA / SIGNATURE<br>  |
| Auditor / <i>Auditor</i><br><b>Elena BREGOLI</b>                                              | FIRMA / SIGNATURE<br>  |
| DATA / DATE<br><b>2024/09/17</b>                                                              |                                                                                                            |

Il presente documento sarà allegato al Rapporto d'ispezione CESI e/o QAR.  
Esso può essere riprodotto solo nella sua interezza  
This document will be annexed to CESI Inspection Report and/or QAR.  
It can only be reproduced in its entirety.

**REQUISITI COGENTI DELLA DIRETTIVA 2014/34/UE (solo per ATEX)**  
**BINDING REQUIREMENTS OF DIRECTIVE 2014/34/EU (only for ATEX)**

| REQUISITO<br>REQUIREMENT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Conforme<br>Compliant               | NC(*) |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-------|
| Le dichiarazioni di conformità UE sono redatte e trasmesse conformemente all'allegato X della direttiva 2014/34/UE.<br><i>EU declarations of conformity are prepared and submitted in accordance with Annex X of Directive 2014/34/EU.</i>                                                                                                                                                                                                                                                                                              | <input checked="" type="checkbox"/> |       |
| Sono ottemperati i RESS in accordo all'allegato II della direttiva 2014/34/UE, relativamente ai paragrafi:<br>1.0.5. Marcatura, 1.0.6. Istruzioni di sicurezza.<br><i>EHSRs have been fulfilled according to annex II of directive 2014/34/EU, concerning clauses:<br/>1.0.5. Marking, 1.0.6. Safety instructions.</i>                                                                                                                                                                                                                  | <input checked="" type="checkbox"/> |       |
| In accordo all'Articolo 16 paragrafo 3 della Direttiva 2014/34/UE, la marcatura CE è seguita dal n. 0722 che identifica l'organismo notificato designato al controllo della produzione.<br><i>According to Article 16 paragraph 3 of Directive 2014/34/EU, CE marking is followed by n. 0722 identifying the notified body involved in the production control</i>                                                                                                                                                                       | <input checked="" type="checkbox"/> |       |
| E' monitorata l'evoluzione del progresso tecnologico delle apparecchiature, qualora tale progresso pregiudichi la conformità del certificato di esame UE di tipo ai requisiti essenziali di sicurezza, in accordo al paragrafo 7 dell'allegato III della Direttiva 2014/34/UE.<br><i>It is monitored the evolution of technological progress of the equipment, in case such progress affects the compliance of the EU-type examination certificate with EHSRs, in accordance with paragraph 7 of Annex III of Directive 2014/34/EU.</i> | <input checked="" type="checkbox"/> |       |

(\*) Nel caso di non conformità inserire il numero della NC / *In case of non-conformity enter NC number*

**REQUISITI UKSI 2016 No. 1107 as amended by UKSI 2019:696 (solo per UKCA)**  
**REQUIREMENTS OF UKSI 2016 No. 1107 as amended by UKSI 2019:696 (only for UKCA)**

| REQUISITO<br>REQUIREMENT                                                                                                                                                                                                                                                                                    | Conforme<br>Compliant    | NC(*) |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------|
| Le dichiarazioni di conformità UK sono redatte e trasmesse conformemente allo Statutory Instrument SI 2016 No. 1107 (amended by SI 2019 No. 696).<br><i>UK declarations of conformity are prepared and submitted in accordance with Statutory Instrument SI 2016 No. 1107 (amended by SI 2019 No. 696).</i> | <input type="checkbox"/> |       |
| È stata nominata la figura della persona autorizzata per lo schema UKCA<br><i>The authorised person for the UKCA scheme has been appointed</i>                                                                                                                                                              | <input type="checkbox"/> |       |
| La marcatura del prodotto comprende i riferimenti dettati dallo schema UKCA, compreso il numero dell'ente approvato UK.<br><i>The product marking includes references dictated by the UKCA scheme, including the number of the UK approved body.</i>                                                        | <input type="checkbox"/> |       |
| Le istruzioni di sicurezza del prodotto comprendono i riferimenti dettati dallo schema UKCA.<br><i>The product safety instructions include references dictated by the UKCA scheme.</i>                                                                                                                      | <input type="checkbox"/> |       |
| La documentazione del sistema qualità (manuale- piano della qualità) comprende lo schema UKCA nel campo di applicazione<br><i>The quality system documentation (manual - quality plan) includes the UKCA scheme in the scope of application</i>                                                             | <input type="checkbox"/> |       |

(\*) Nel caso di non conformità inserire il numero della NC / *In case of non-conformity enter NC number*

**REQUISITI DELLA NORMA DI RIFERIMENTO / REQUIREMENTS OF THE REFERENCE STANDARD**

SOMMARIO RILIEVI RILEVATI DURANTE L' AUDIT

SUMMARY OF FINDINGS RAISED UP DURING THE AUDIT

| PARAGRAFI NORMA RIFERIMENTO<br>CLAUSES OF THE REFERENCE STANDARD |                                                                                                                                       | VERIFICATO<br>VERIFIED              | NUMERO OSSERVAZIONI O NON CONFORMITÀ NUMBER OF<br>FINDINGS OR NON CONFORMITIES |                 |                             |
|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------------------------------------------------|-----------------|-----------------------------|
| Riferim.<br>Refer.                                               | Titolo / Title                                                                                                                        |                                     | Maggiore<br>Major                                                              | minore<br>minor | Osservazione<br>Observation |
| 4.1                                                              | Comprendere l'organizzazione e il suo contesto<br>Understanding the organization and its context                                      | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 4.2                                                              | Comprendere le esigenze e le aspettative delle parti interessate<br>Understanding the needs and expectations of interested parties    | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 4.3                                                              | Determinare il campo di applicazione del sistema di gestione per la qualità<br>Determining the scope of the quality management system | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 4.4                                                              | Sistema di gestione per la qualità e relativi processi<br>Quality management system and its processes                                 | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 5.1                                                              | Leadership e impegno<br>Leadership and commitment                                                                                     | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 5.2                                                              | Politica<br>Policy                                                                                                                    | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 5.3                                                              | Ruoli, responsabilità e autorità nell'organizzazione<br>Organization roles, responsibilities and authorities                          | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 6.1                                                              | Azioni per affrontare rischi ed opportunità<br>Actions to address risks and opportunities                                             | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 6.2                                                              | Obiettivi per la qualità e pianificazione per il loro raggiungimento<br>Quality objectives and planning to achieve them               | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 6.3                                                              | Pianificazione delle modifiche<br>Planning of changes                                                                                 | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 7.1                                                              | Risorse<br>Resources                                                                                                                  | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 7.2                                                              | Competenze<br>Competence                                                                                                              | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 7.3                                                              | Consapevolezza<br>Awareness                                                                                                           | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 7.4                                                              | Comunicazione<br>Communication                                                                                                        | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 7.5                                                              | Informazioni documentate<br>Documented information                                                                                    | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 8.1                                                              | Pianificazione e controllo operativi<br>Operational planning and control                                                              | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 8.2                                                              | Requisiti per prodotti e servizi<br>Requirements for products and services                                                            | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 8.3                                                              | Progettazione e sviluppo di prodotti e servizi<br>Design and development of products and services                                     | <input type="checkbox"/>            | Non applicabile / Not applicable                                               |                 |                             |
| 8.4                                                              | Controllo dei processi, prodotti e servizi forniti dall'esterno<br>Control of externally provided processes, products and services    | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 8.5                                                              | Produzione ed erogazione dei servizi<br>Production and service provision                                                              | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 8.6                                                              | Rilascio di prodotti e servizi<br>Release of products and services                                                                    | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 8.7                                                              | Controllo degli output non conformi<br>Control of non-conforming and services                                                         | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 9.1                                                              | Monitoraggio, misurazione, analisi e valutazione<br>Monitoring, measurement, analysis and evaluation                                  | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 9.2                                                              | Audit interni<br>Internal audit                                                                                                       | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 9.3                                                              | Riesame della direzione<br>Management Review                                                                                          | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 10.1                                                             | Generalità<br>General                                                                                                                 | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 10.2                                                             | Non conformità e azioni correttive<br>Non-conformity and corrective action                                                            | <input checked="" type="checkbox"/> |                                                                                |                 |                             |
| 10.3                                                             | Miglioramento continuo<br>Continual improvement                                                                                       | <input checked="" type="checkbox"/> |                                                                                |                 |                             |

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ALLEGATO A: INFORMAZIONI RELATIVE A PARTICOLARI TIPI DI PROTEZIONE E PRODOTTI SPECIFICI  
ANNEX A: INFORMATION RELEVANT TO PARTICULAR TYPES OF PROTECTION AND SPECIFIC PRODUCTS

| Rif./Ref.  | Titolo / Title                                                                                                                                                                                                      | Applic. |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>A.2</b> | <b>Generale</b><br><b>General</b>                                                                                                                                                                                   |         |
| -          | Composizione del materiale di (parti di) custodie<br>Material composition of (parts of) enclosures                                                                                                                  | Y       |
| <b>A.3</b> | <b>Ex "d" – custodie a prova di esplosione</b><br><b>Ex "d" – Flameproof enclosures</b>                                                                                                                             |         |
| A.3.1      | Verifiche<br>Verification                                                                                                                                                                                           | Y       |
| A.3.2      | Fusioni<br>Castings                                                                                                                                                                                                 | Y       |
| A.3.3      | Lavorazioni meccaniche<br>Machining                                                                                                                                                                                 | Y       |
| A.3.4      | Giunti cementati<br>Cemented joints and potted assemblies                                                                                                                                                           | Y       |
| A.3.5      | Prove individuali di pressione<br>Routine pressure testing                                                                                                                                                          | Y       |
| .1         | Generale<br>General                                                                                                                                                                                                 |         |
| .2         | Prove per lotto<br>Batch testing                                                                                                                                                                                    | N/A     |
| .3         | Costruzioni saldate<br>Welded construction                                                                                                                                                                          | N/A     |
| A.3.6      | Giunti flangiati<br>Flanged joints                                                                                                                                                                                  | Y       |
| A.3.7      | Elementi con percorso non misurabile, di dispositivi di respirazione o drenaggio<br>Elements, with non-measurable paths, of breathing and draining devices                                                          | N/A     |
| <b>A.4</b> | <b>Ex "i" – Sicurezza intrinseca</b><br><b>Ex "i" – Intrinsic safety</b>                                                                                                                                            |         |
| A.4.1      | Componenti per prodotti a sicurezza intrinseca<br>Components for intrinsically safe products                                                                                                                        | Y       |
| A.4.2      | <i>Schede a circuiti stampati</i><br><i>Printed circuit boards (PCB)</i>                                                                                                                                            |         |
| .1         | Schede a circuiti stampati non popolate<br>Non-populated PCB's                                                                                                                                                      | N/A     |
| .2         | Schede a circuiti stampati popolate<br>Populated PCB's                                                                                                                                                              | N/A     |
| A.4.3      | Sotto-assiemi e assiemi<br>Sub-assemblies and assemblies                                                                                                                                                            | N/A     |
| A.4.4      | Custodie per gruppo III o spazi ridotti<br>Enclosures for Group III or reduced spacing                                                                                                                              |         |
| A.4.5      | Prove<br>Tests                                                                                                                                                                                                      | N/A     |
| A.4.6      | Circuiti ed assemblaggi a sicurezza intrinseca incorporati in apparecchiature Ex o altri modi di protezione<br>Intrinsically safe circuits and assemblies incorporated in Ex equipment of other types of protection | Y       |
| <b>A.5</b> | <b>Ex "e" – Sicurezza aumentata</b><br><b>Ex "e" – Increased safety</b>                                                                                                                                             |         |
| A.5.1      | Protezione in ingresso (IP)<br>Ingress protection (IP)                                                                                                                                                              | Y       |
| A.5.2      | Cablaggio interno e integrità dei contatti<br>Internal wiring and contact integrity                                                                                                                                 | Y       |
| A.5.3      | Macchine rotanti<br>Rotating machines                                                                                                                                                                               | N/A     |
| A.5.4      | Avvolgimenti<br>Windings                                                                                                                                                                                            | N/A     |
| A.5.5      | Custodie morsetti<br>Terminal boxes                                                                                                                                                                                 | Y       |
| A.5.6      | Pressacavi, morsetti e altri accessori<br>Cable glands, terminals and other accessories                                                                                                                             | Y       |
| A.5.7      | Verifiche e prove individuali<br>Routine verifications and tests                                                                                                                                                    | Y       |
| <b>A.6</b> | <b>Ex "p" – Apparecchiature in pressione</b><br><b>Ex "p" – Pressurized equipment</b>                                                                                                                               |         |
| A.6.1      | Protezione in ingresso (IP)<br>Ingress protection (IP)                                                                                                                                                              | Y       |
| A.6.2      | Componenti e processi costruttivi<br>Components and manufacturing process                                                                                                                                           | N/A     |
| A.6.3      | Componenti e caratteristiche costruttive<br>Components, constructional characteristics                                                                                                                              | N/A     |
| A.6.4      | Verifiche e prove individuali<br>Routine verifications and tests                                                                                                                                                    | Y       |
| <b>A.7</b> | <b>Ex "m" – Incapsulamento</b><br><b>Ex "m" – encapsulation</b>                                                                                                                                                     |         |
| A.7.1      | Documentazione di produzione<br>Production documentation                                                                                                                                                            | Y       |

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|               |                                                                                                                           |     |
|---------------|---------------------------------------------------------------------------------------------------------------------------|-----|
| A.7.2         | Verifiche e prove individuali<br>Routine verifications and tests                                                          | Y   |
| <b>A.8</b>    | <b>Ex "o" – Immersione in olio</b><br><b>Ex "o" – oil immersion</b>                                                       |     |
| A.8.1         | Controllo del materiale<br>Material control                                                                               | N/A |
| A.8.2         | Riempimento<br>Filling                                                                                                    | N/A |
| A.8.3         | Protezione in ingresso (IP)<br>Ingress protection (IP)                                                                    |     |
| A.8.4         | Verifiche e prove individuali<br>Routine verifications and tests                                                          |     |
| <b>A.9</b>    | <b>Ex "q" – Riempimento con polvere</b><br><b>Ex "q" – Powder filling</b>                                                 |     |
| A.9.1         | Controllo del materiale<br>Material control                                                                               | Y   |
| A.9.2         | Riempimento<br>Filling                                                                                                    | N/A |
| A.9.3         | Protezione in ingresso (IP)<br>Ingress protection (IP)                                                                    | N/A |
| A.9.4         | Verifiche e prove individuali<br>Routine verifications and tests                                                          | Y   |
| <b>A.10</b>   | <b>Apparecchiature coperte dalla IEC 60079-15</b><br><b>Equipment covered by IEC 60079-15</b>                             |     |
| A.10.1        | Requisiti Generali<br>General requirements                                                                                | N/A |
| <b>A.10.2</b> | <b>Ex nA – apparecchiature non scintillanti</b><br><b>Ex nA – Non-sparking equipment</b>                                  |     |
| .2.1          | <i>Schede a circuiti stampati</i><br>Printed Circuit boards (PCBs)                                                        | N/A |
| .2.2          | Morsetti e cablaggio interno<br>Terminals and internal wiring                                                             | N/A |
| <b>A.10.3</b> | <b>Ex "nC" – Dispositivi sigillati</b><br><b>Ex "nC" – Sealed devices</b>                                                 | N/A |
| -             | Procedure documentate<br>Documented procedures                                                                            | N/A |
| <b>A.10.4</b> | <b>Ex "nR" – Respirazione ridotta</b><br><b>Ex "nR" – Restricted Breathing</b>                                            | N/A |
| .4.1          | Requisiti generali<br>General requirements                                                                                | Y   |
| .4.2          | Pressacavi<br>Cable glands                                                                                                | Y   |
| .4.3          | Attuatori a stantuffo, alberi e assali<br>Plunger actuators, shafts and axles                                             | N/A |
| .4.4          | Apparecchiature di prova<br>Test equipment                                                                                | N/A |
| .4.5          | Prove individuali<br>Routine tests                                                                                        | Y   |
| <b>A.11</b>   | <b>Ex t – Protezione da polveri combustibili mediante custodia</b><br><b>Ex t – dust ignition protection by enclosure</b> |     |
| A.11.1        | Fusioni<br>Casting                                                                                                        | Y   |
| A.11.2        | Parti di custodia<br>Enclosure parts                                                                                      | Y   |
| A.11.3        | Guarnizioni<br>Gaskets                                                                                                    | Y   |
| A.11.4        | Dispositivi di protezione<br>Protection devices                                                                           | N/A |
| A.11.5        | Parti di custodie da fusione e cementate<br>Cemented and cast enclosure parts                                             | Y   |
| A.11.6        | Protezioni in ingresso (IP)<br>Ingress protection (IP)                                                                    | Y   |
| A.11.7        | Verifiche e prove individuali<br>Routine verifications and tests                                                          | Y   |
| <b>A.12</b>   | <b>Ex "op" – Radiazione ottica</b><br><b>Ex "op" – Optical radiation</b>                                                  |     |
| -             | Procedure documentate<br>Documented procedures                                                                            | Y   |
| <b>A.13</b>   | <b>Rilevatori di gas</b><br><b>Gas detectors</b>                                                                          |     |
| -             | Controlli<br>Checks                                                                                                       | N/A |
| <b>A.14</b>   | <b>Ex "h" – Apparecchiature non elettriche (ISO 80079-36)</b><br><b>Ex "h" – Non-electrical Equipment (ISO 80079-36)</b>  |     |
| A.14.1        | Generale<br>General                                                                                                       | N/A |

|             |                                                                                                                                                                                                               |     |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| A.14.2      | Parti non metalliche<br>Non-metallic parts                                                                                                                                                                    | N/A |
| A.14.3      | Involucro e parti esterne<br>Casing and external parts                                                                                                                                                        | N/A |
| A.14.4      | Messa a terra e collegamenti equipotenziali delle parti conduttive<br>Earthing and equipotential bonding of conductive parts                                                                                  | N/A |
| A.14.5      | Parti trasparenti<br>Light transmitting parts                                                                                                                                                                 | N/A |
| A.14.6      | Protezione in ingresso (IP)<br>Ingress protection (IP)                                                                                                                                                        | N/A |
| <b>A.15</b> | <b>Apparecchiature non elettriche protette mediante protezione costruttiva "c" (ISO 80079-37)</b><br><b>Non Electrical Equipment protected by constructional safety "c" (ISO 80079-37)</b>                    |     |
| A.15.1      | Generale<br>General                                                                                                                                                                                           | N/A |
| A.15.2      | Materia con base metallica<br>Metal-based material                                                                                                                                                            | N/A |
| A.15.3      | Lavorazioni meccaniche<br>Machining                                                                                                                                                                           | N/A |
| A.15.4      | Giunti cementati e assemblaggi<br>Cemented joints and potted assemblies                                                                                                                                       | N/A |
| A.15.5      | Assemblaggio<br>Assembling                                                                                                                                                                                    | N/A |
| A.15.6      | Prove individuali<br>Routine tests                                                                                                                                                                            | N/A |
| A.15.7      | Sistemi di trasmissione di potenza<br>Power transmission systems                                                                                                                                              | N/A |
| <b>A.16</b> | <b>Apparecchiature non elettriche protette mediante controllo delle sorgenti d'innescio "b" (ISO 80079-37)</b><br><b>Non-Electrical Equipment protected by control of ignition sources "b" (ISO 80079-37)</b> |     |
| A.16.1      | Generale<br>General                                                                                                                                                                                           | N/A |
| A.16.2      | Sistema di protezione dell'innescio<br>Ignition protection system                                                                                                                                             | N/A |
| A.16.3      | Montaggio<br>Assembling                                                                                                                                                                                       | N/A |
| A.16.4      | Verifiche e prove individuali<br>Routine verifications and tests                                                                                                                                              | N/A |
| <b>A.17</b> | <b>Apparecchiature non elettriche protette mediante immersione in liquidi "k" (ISO 80079-37)</b><br><b>Non-electrical equipment protected by liquid immersion "k" (ISO 80079-37)</b>                          |     |
| A.17.1      | Generale<br>General                                                                                                                                                                                           | N/A |
| A.17.2      | Liquido di protezione<br>Protective liquid                                                                                                                                                                    | N/A |
| A.17.3      | Involucro<br>Casing                                                                                                                                                                                           | N/A |
| A.17.4      | Dispositivi di misura o indicatori<br>Measuring or indicating devices                                                                                                                                         | N/A |
| <b>A.18</b> | <b>Rompi-fiamma</b><br><b>Flame arresters</b>                                                                                                                                                                 |     |
| -           | Procedure documentate<br>Documented procedures                                                                                                                                                                | N/A |

ALLEGATO ZB - INFORMAZIONI RELATIVE AGLI APPARECCHI E AI SISTEMI DI PROTEZIONE SECONDO LE NORME ARMONIZZATE DALLA DIRETTIVA 2014/34/UE (solo ATEX)

ANNEX ZB - INFORMATION RELEVANT TO EQUIPMENT AND PROTECTIVE SYSTEMS ACCORDING TO STANDARDS HARMONIZED UNDER DIRECTIVE 2014/34/EU (ATEX only)

| P.to/Point  | Titolo / Title                                                                                | Applic. |
|-------------|-----------------------------------------------------------------------------------------------|---------|
| <b>ZB9</b>  | <b>Ventilatori (EN 14986)</b><br><b>Fans (EN 14986)</b>                                       |         |
| ZB9.1       | Generale<br>General                                                                           | N/A     |
| ZB9.1       | Materiale<br>Material                                                                         | N/A     |
| ZB9.1       | Apparecchiature assemblate e sistemi protettivi<br>Assembled equipment and protective systems | N/A     |
| ZB9.1       | Prove individuali<br>Routine tests                                                            | N/A     |
| <b>ZB10</b> | <b>Erogatori di benzina (EN 13617-1)</b><br><b>Petrol dispensers (EN 13617-1)</b>             |         |
| ZB10.1      | Generale<br>General                                                                           | N/A     |
| ZB10.2      | Installazione elettrica<br>Electrical installation                                            | N/A     |
| ZB10.3      | Informazioni per l'uso sicuro<br>Information for safe operation                               | N/A     |
| ZB10.4      | Gruppi dell'assieme<br>Assembly groups                                                        | N/A     |
| ZB10.5      | Assiemaggio<br>Assembling                                                                     | N/A     |

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|             |                                                                                                                                                                                                                               |     |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| ZB10.6      | Apparecchiature di monitoraggio<br>Monitoring equipment                                                                                                                                                                       | N/A |
| ZB10.7      | Capacità di scarica elettrostatica<br>Electrostatic discharge capacity                                                                                                                                                        | N/A |
| ZB10.8      | Prove individuali<br>Routine tests                                                                                                                                                                                            | N/A |
| <b>ZB11</b> | <b>Apparecchiature per la spruzzatura elettrostatica (EN 50050-1 EN 50050-2 EN 50050-3 EN 50176 EN 50177 EN 50223)</b><br><b>Electrostatic spraying equipment (EN 50050 EN 50050-2 EN 50050-3 EN 50176 EN 50177 EN 50223)</b> |     |
| ZB11.1      | Generale<br>General                                                                                                                                                                                                           | N/A |
| ZB11.2      | Assieme elettrico<br>Electrical assembly                                                                                                                                                                                      | N/A |
| ZB11.3      | Assieme meccanico<br>Mechanical assembly                                                                                                                                                                                      | N/A |
| ZB11.4      | Prove<br>tests                                                                                                                                                                                                                | N/A |
| <b>ZB12</b> | <b>Sistemi di protezione</b><br><b>Protective systems</b>                                                                                                                                                                     |     |
| ZB12.1      | Generale<br>General                                                                                                                                                                                                           | N/A |
| ZB12.2      | Apparecchiature resistenti all'esplosione (EN 14460)<br>Explosion resistant equipment (EN 14460)                                                                                                                              | N/A |
| ZB12.3      | Dispositivi di sfogo dell'esplosione (EN 14797)<br>Explosion venting devices (EN 14797)                                                                                                                                       | N/A |
| ZB12.4      | Sistemi d'isolamento dell'esplosione (EN 15089)<br>Explosion isolation systems (EN 15089)                                                                                                                                     | N/A |
| ZB12.5      | Dispositivi di sfogo dell'esplosione senza fiamma (EN 16009)<br>Flameless explosion venting devices (EN 16009)                                                                                                                | N/A |
| ZB12.6      | Deviatori di esplosione (EN 16020)<br>Explosion diverters (EN 16020)                                                                                                                                                          | N/A |
| ZB12.7      | Valvole a cerniera con isolamento delle esplosioni (EN 16447)<br>Explosion isolation flap valves (EN 16447)                                                                                                                   | N/A |

ALLEGATE N. 0 REGISTRAZIONI DI NON CONFORMITA'  
ANNEXED N. 0 NON CONFORMITY RECORDS

CONCLUSIONI DELL'AUDIT / AUDIT CONCLUSION

|                                                                                                                                                                                                                                                                                                              |                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| <b>Il sistema di gestione qualità 'Ex' è applicato efficacemente.</b><br>Le eventuali non conformità non pregiudicano la sua integrità.<br><b>'Ex' quality management system is effectively applied.</b><br>Possible non-conformities do not affect its integrity.                                           | <input checked="" type="checkbox"/> |
| <b>Le non conformità potrebbero pregiudicare l'integrità del sistema di gestione qualità 'Ex'.</b><br>Non sono state riscontrate non conformità critiche.<br><b>Non conformities could affect the integrity of the 'Ex' quality management system.</b><br>It has not been found any critical non-conformity. | <input type="checkbox"/>            |
| <b>La criticità e/o la numerosità delle non conformità pregiudicano l'integrità del sistema di gestione qualità 'Ex'.</b><br><b>Criticality and/or numerousness of non-conformities affect the integrity of 'Ex' quality management system.</b>                                                              | <input type="checkbox"/>            |

**FORNITORI CRITICI PER I PRODOTTI EX**  
**CRITICAL SUPPLIERS FOR EX PRODUCTS**

|                                                                                                         |                                                                          |
|---------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Nome del fornitore<br>Name of the supplier                                                              | Articolo o servizio critico fornito<br>Critical item or service provided |
| Visto elenco fornitori aggiornato al 17/09/2024/ See list of Ex critical supplier updated on 2024/09/17 |                                                                          |

**PROGRAMMAZIONE TRIENNALE CAMPIONAMENTO CAMPO DI APPLICAZIONE**  
**THREE-YEAR PLANNING SAMPLING SCOPE**

| Prodotto / Products                                                                                                                              | Macro modo di protezione<br>Macro type of protection | 2022 |       | 2023 |       | 2024 |       |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|------|-------|------|-------|------|-------|
|                                                                                                                                                  |                                                      | Atex | IECEx | Atex | IECEx | Atex | IECEx |
| Raccorderia per impianti elettrici ed accessori per custodie<br>Fittings for electrical installations                                            | Ex d – Ex tD                                         | X    | --    | X    | --    | X    | --    |
| Custodie per apparecchiature elettriche, unità di automazione, comando e misura<br>Control Enclosures, command, automation and measurement units | <del>Ex d – Ex e – Ex t</del>                        | ✕    | ✕     | --   | --    | ✕    | ✕     |
| Prodotti certificati BARTEC FN                                                                                                                   | Si veda Dati Pratica / See Activity Data             | --   | --    | --   | X     | --   | X     |
| Prodotti certificati BARTEC Varnost                                                                                                              | Si veda Dati Pratica / See Activity Data             | --   | --    | --   | ✕     | --   | --    |
| Prodotti certificati BARTEC Germany                                                                                                              | Si veda Dati Pratica / See Activity Data             | --   | --    | --   | --    | --   | X     |

**Il programma triennale è stato modificato nel corso del presente audit?**

*Has the three-year program been modified during this audit?*



SÍ / YES



NO/NO

**Eventuali modifiche della programmazione e relative motivazioni:**

*Possible changes in scheduling and the reasons for them:*

Il programma è stato modificato tenuto conto della nuova situazione dettagliata nel modulo Dati Pratica. / The program has been modified taking into account the new situation detailed in the Activity Data module.

**CONSIDERAZIONI FINALI**  
**FINAL THOUGHTS**

**Generalità / General notes**

Dal 16 al 17 settembre 2024, è stato effettuato audit per:

il rinnovo della notifica della garanzia della qualità della produzione CESI 06 ATEX 070 Q, in accordo alla Direttiva 2014/34/UE,

il rinnovo del QAR IT/CES/ QAR12.0006 secondo lo schema di certificazione IECEx 02.

dell'azienda Fenex SRL con sede a Moraro (GO)

Sono stati verificati i requisiti:

dell'allegato VII della Direttiva 2014/34/UE e della norma europea armonizzata EN ISO/IEC 80079-34, dello schema IECEx 02 del sistema di certificazione IECEx e della norma ISO/IEC 80079-34.

relativi ai sistemi di gestione per la qualità di produttori di apparecchiature destinate ad essere utilizzate in atmosfere potenzialmente esplosive, secondo il programma precedentemente comunicato.

L'audit ha riguardato la verifica del sistema qualità aziendale:

- Nel documento "Dati Pratica" si evince l'evoluzione tecnologica del prodotto non che risulta in linea all'evoluzione normativa in corso di validità e come si evince dalle dichiarazioni di conformità EU, per i certificati con le norme sono scadute il costruttore ha effettuato la GAP Analysis documentate.
- I fornitori in elenco risultano qualificati, monitorati e riesaminati annualmente.
- I documenti fondamentali per il sistema Ex, cioè il MQ integrato con Ex e l'elenco delle procedure e delle istruzioni di sistema, tali documenti vengono presi in carico in formato elettronico e verranno archiviati da ON, compresi i documenti in elenco.
- La produzione Ex copre il 20% della produzione totale.
- Lo scopo del certificato ISO 9001 è congruente con il campo di applicazione della Notifica ATEX.
- Nel periodo intercorso tra questo audit ed il precedente non si registrano apparecchiature non sicure immesse sul mercato.

Il giudizio che emerge da questo audit è di un sostanziale allineato ai requisiti espressi dalla direttiva e dalla

**Il presente documento sarà allegato al Rapporto d'ispezione CESI e/o QAR.**

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**This document will be annexed to CESI Inspection Report and/or QAR.**

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norma di riferimento.

English translation:

*From 16<sup>th</sup> to 18<sup>th</sup> of September 2024 has been carried out an audit for:*

*The renewal of the quality assurance notification of the production CESI 06 ATEX 070 Q, in accordance with the Directive 2014/34/EU;*

*The renewal of the QAR IT/CES/ QAR12.0006 according to the certification scheme IECEx 02,*

*The requirements have been verified:*

*- of Annex VII of Directive 2014/34/EU and of the harmonised European standard EN ISO/IEC 80079-34,*

*- of the IECEx 02 scheme of the IECEx certification system and of the ISO/IEC 80079-34 standard.*

*concerning the quality management systems of manufacturers of equipment for use in potentially explosive atmospheres, according to the previously communicated plan.*

*The audit included the assessment of the company quality system:*

*- The "Activity data" document shows the technological evolution of the product, which is not in line with the evolution of current regulations and as can be seen from the EU declarations of conformity, for certificates with expired standards the manufacturer has carried out the GAP Analysis documented*

*- The listed suppliers are qualified, monitored and reviewed annually.*

*- The fundamental documents for the Ex-system, that are the MQ, the PQ and the list of procedures and of the system's instructions, are taken over in electronic form and will be stored by ON, including listed documents.*

*- Ex production covers 30% of the total production.*

*- The scope of the ISO 9001 certificate is in line with the scope of the ATEX Notification.*

*- In the period between this audit and the previous one, has not been recorded unsafe equipment introduced on the market.*

*The result of this audit is a substantial alignment with the requirements expressed by the Directive and the reference standard.*

Risposte dell'azienda alle osservazioni dell'audit precedente

Company responses to the previous audit observations

1. Si ribadisce la necessita di completare il campo di applicazione nel manuale/piano della qualità Ex con i certificati IECEx di BARTEC FN; BARTEC Varnost; BARTEC Germany dove FENEX risulta come sito produttivo aggiuntivo e quindi coperto da QAR. Inoltre per le tipologie di apparecchiature e i modi di protezione aggiunti è necessario approntare tutte le procedure/istruzioni inerenti. / *We reiterate the need to complete the scope in the Ex quality manual/plan with the IECEx certificates of BARTEC FN; BARTEC Varnost; BARTEC Germany where FENEX results as an additional production site and therefore covered by QAR. Furthermore, for the types of equipment and protection methods added, it is necessary to prepare all the relevant procedures/instructions.*
  - Il Manuale della qualità che ha anche al suo interno i requisiti aggiuntivi Ex per ottemperare la norma EN ISO/IEC 80079-34 è stato aggiornato. L'aggiornamento ha riguardato il campo di applicazione allineato per quanto definito nel modulo Dati Pratica. / *The Quality Manual which also has within it the additional Ex requirements to comply with EN ISO/IEC 80079-34 has been updated. The update concerned the aligned scope for what is defined in the Activity Data module.*
2. Si raccomanda di inserire le richieste delle dichiarazioni di conformità sugli ordini di acquisto e di verificare che le dichiarazioni rilasciate dai fornitori corrispondano ai contenuti richiesti dall'allegato C della norma EN ISO IEC 80079-34. / *It is recommended to include requests for declarations of conformity on purchase orders and to verify that the declarations issued by suppliers correspond to the contents required by Annex C of EN ISO IEC 80079-34.*
  - Visto esempio di dichiarazione di conformità del 17/09/2024 del fornitore conforme all'allegato C della EN ISO/IEC 80079-34 Fonderia ROLDO. / *Seen example of supplier's declaration of conformity dated 17/09/2024 in accordance with Annex C of EN ISO/IEC 80079-34 ROLDO Foundry*

**Evidenze / Evidence**

Osservazioni - Observations

1. Si raccomanda di verificare che tutti i fornitori critici Ex trasmettano la dichiarazione di conformità secondo l'allegato C della EN ISO/IEC 80079-34 comprendendo anche i fornitori che eseguono i trattamenti superficiali. / *It is recommended to verify that all critical Ex suppliers submit the declaration of conformity according to Annex C of EN ISO/IEC 80079-34 including suppliers performing surface treatments.*
2. Si raccomanda nel caso di acquisto di prodotti certificati Ex verificare la presenza di attestato di conformità e istruzioni di sicurezza in formato cartaceo. / *It is recommended in the case of purchasing Ex-certified products to verify the presence of certificate of conformity and safety instructions in paper format*

Non conformità minori - minor Non-Conformities

Nessuna/ none

Non Conformità Maggiori - Major Non-Conformities

Nessuna/ none

Nota / Note

Osservazioni e Non Conformità sono state riviste col personale auditato per avere la sicurezza che esse siano chiare e ben comprese. Esse sono archiviate con la documentazione di supporto.

*Observations and Non-conformities have been reviewed with the company auditees in order to have acknowledgement that they are accurate and well understood. They are recorded with their supporting evidence.*

**Conclusioni / Conclusions**

Sulla base delle evidenze oggettive emerse nel corso dell'audit, si può esprimere un giudizio complessivo positivo sulla gestione del sistema applicato ai prodotti "Ex" oggetto di entrambi gli schemi sopracitati.

Pertanto, si propone alla Commissione di Certificazione del CESI di:

- rinnovare il QAN CESI 06 ATEX 070 Q, in accordo all'allegato VII della Direttiva 2014/34/UE e della norma EN ISO/IEC 80079-34;
- rinnovare ed estendere il documento QAR IT/CES/ QAR12.0006 in accordo allo schema di certificazione volontario internazionale IECEx e della norma ISO/IEC 80079-34.

*On the basis of the objective evidence emerged during the audit, it is possible to express an overall positive verdict about the management of the system applied to the "Ex" products, subject of both the previously mentioned schemes.*

*Therefore, it is proposed to the CESI Certificate Commission to:*

- *renew the QAN CESI 06 ATEX 070 Q, according to the annex VII of the Directive 2014/34/UE and of the standard EN ISO/IEC 80079-34;*
- *renew and extend the document QAR IT/CES/ QAR12.0006 according to the international voluntary certification scheme IECEx and to the standard ISO/IEC 80079-34.*

| Nome                                                             | TipologiaDoc                                    | Procedura gestionale di riferiment | Atex-IECEX | Interno_esterno | Stato approvazione | Data Revisione | Autore revisione |
|------------------------------------------------------------------|-------------------------------------------------|------------------------------------|------------|-----------------|--------------------|----------------|------------------|
| <a href="#">7.2_PG02_Gestione risorse umane.docx</a>             | Procedure gestionali/Management Procedures      | Manuale qualità                    | Si         | Interno         | Approvato          | 17/01/2023     | Vanessa Braidà   |
| <a href="#">7.5_PG01.docx</a>                                    | Procedure gestionali/Management Procedures      | Manuale qualità                    | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">8.4_PG05-1.docx</a>                                  | Procedure gestionali/Management Procedures      | Manuale qualità                    | Si         | Interno         | Approvato          | 03/01/2023     | Vanessa Braidà   |
| <a href="#">8.5_PG06.docx</a>                                    | Procedure gestionali/Management Procedures      | Manuale qualità                    | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">8.7_PG07_Gestione degli output non conformi.docx</a> | Procedure gestionali/Management Procedures      | Manuale qualità                    | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">9.2_PG08.docx</a>                                    | Procedure gestionali/Management Procedures      | Manuale qualità                    | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">CT-ISX#TOTALE</a>                                    | Specifiche d'acquisto/Purchasing specifications | 8.4_PG05                           | Si         | Interno         | Approvato          | 02/10/2022     | Vanessa Braidà   |
| <a href="#">FA 280_Avoiding moisture damage to cast compon</a>   | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Esterno         | Approvato          | 25/12/2022     | Vanessa Braidà   |
| <a href="#">FB-0026.docx</a>                                     | Moduli/Checklist and reports                    | 8.5_PG06                           | Si         | Esterno         | Approvato          | 19/03/2023     | Vanessa Braidà   |
| <a href="#">FB-0137.xlsx</a>                                     | Moduli/Checklist and reports                    | 8.4_PG05                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">FB-0359_neu.docx</a>                                 | Moduli/Checklist and reports                    | 8.4_PG05                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS05.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 15/01/2023     | Vanessa Braidà   |
| <a href="#">IS07.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 19/03/2023     | Vanessa Braidà   |
| <a href="#">IS09.doc</a>                                         | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 09/03/2023     | Corina Medeot    |
| <a href="#">IS100.docx</a>                                       | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 28/02/2023     | Vanessa Braidà   |
| <a href="#">IS11-4.docx</a>                                      | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 24/03/2023     | Vanessa Braidà   |
| <a href="#">IS17.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 01/10/2022     | Vanessa Braidà   |
| <a href="#">IS19.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 24/03/2023     | Vanessa Braidà   |
| <a href="#">IS20.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 24/01/2023     | Vanessa Braidà   |
| <a href="#">IS22.docx</a>                                        | Moduli/Checklist and reports                    | 8.5_PG06                           | Si         | Interno         | Approvato          | 04/10/2022     | Vanessa Braidà   |
| <a href="#">IS29.docx</a>                                        | Istruzione di lavoro/WI                         | 7.5_PG01                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà   |
| <a href="#">IS30.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS32.docx</a>                                        | Istruzione di lavoro/WI                         | 7.5_PG01                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS33.docx</a>                                        | Istruzione di lavoro/WI                         | 8.4_PG05                           | Si         | Interno         | Approvato          | 19/03/2023     | Vanessa Braidà   |
| <a href="#">IS34.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà   |
| <a href="#">IS35.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 24/01/2023     | Vanessa Braidà   |
| <a href="#">IS37.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS38.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 19/03/2023     | Vanessa Braidà   |
| <a href="#">IS40.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS42.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS43.docx</a>                                        | Istruzione di lavoro/WI                         | 8.4_PG05                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS44.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS47.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà   |
| <a href="#">IS49.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS50.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS51.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 03/10/2022     | Vanessa Braidà   |
| <a href="#">IS53.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS54.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà   |
| <a href="#">IS55.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS56.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS57.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS58.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà   |
| <a href="#">IS60.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà   |
| <a href="#">IS61.docx</a>                                        | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà   |

| Nome                                                                   | TipologiaDoc                                    | Procedura gestionale di riferiment | Atex-IECEX | Interno_esterno | Stato approvazione | Data Revisione | Autore revisione  |
|------------------------------------------------------------------------|-------------------------------------------------|------------------------------------|------------|-----------------|--------------------|----------------|-------------------|
| <a href="#">IS62.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 24/03/2023     | Vanessa Braidà    |
| <a href="#">IS63.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">IS64.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">IS66.docx</a>                                              | Istruzione di lavoro/WI                         | 8.4_PG05                           | Si         | Interno         | Approvato          | 09/11/2022     | Vanessa Braidà    |
| <a href="#">IS67.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 06/10/2022     | Vanessa Braidà    |
| <a href="#">IS68.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà    |
| <a href="#">IS71.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">IS72.docx</a>                                              | Istruzione di lavoro/WI                         | 9.2_PG08                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">IS73.doc</a>                                               | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">IS74.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">IS75-5.docx</a>                                            | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 09/09/2022     | Vanessa Braidà    |
| <a href="#">IS76.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">IS78-1.docx</a>                                            | Istruzione di lavoro/WI                         | 8.4_PG05                           | Si         | Interno         | Approvato          | 07/10/2022     | Vanessa Braidà    |
| <a href="#">IS79.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 03/10/2022     | Vanessa Braidà    |
| <a href="#">IS80-1.docx</a>                                            | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 15/03/2023     | Vanessa Braidà    |
| <a href="#">IS81.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 13/09/2021     | Vanessa Braidà    |
| <a href="#">IS82.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 13/09/2021     | Vanessa Braidà    |
| <a href="#">IS84.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 17/10/2022     | Corina Medeot     |
| <a href="#">IS85.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 13/09/2021     | Vanessa Braidà    |
| <a href="#">IS86.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 13/09/2021     | Vanessa Braidà    |
| <a href="#">IS99.docx</a>                                              | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Interno         | Approvato          | 24/03/2023     | Vanessa Braidà    |
| <a href="#">ISTRUZIONI DI MONTAGGIO ISX.CERNIERA-2X.PDF</a>            | Istruzione di lavoro/WI                         | 8.5_PG06                           | Si         | Esterno         | Approvato          | 02/10/2022     | Vanessa Braidà    |
| <a href="#">MQ_rev 5.docx</a>                                          | Manuale qualità /Quality manual                 | Manuale qualità                    | Si         | Interno         | Approvato          | 09/04/2024     | Alessandro Toso   |
| <a href="#">MQ_rev 5.pdf</a>                                           | Manuale qualità /Quality manual                 | Manuale qualità                    | Si         | Interno         | Approvato          | 09/04/2024     | Alessandro Toso   |
| <a href="#">MQ allegato 1 Politica della qualità ita-ing.pdf</a>       | Manuale qualità /Quality manual                 | Manuale qualità                    | Si         | Interno         | Approvato          | 02/10/2022     | Dario Colaut      |
| <a href="#">MQ allegato 2 Diagramma di flusso processi in prog</a>     | Manuale qualità /Quality manual                 | Manuale qualità                    | Si         | Interno         | Approvato          | 09/05/2024     | Corina Medeot     |
| <a href="#">MQ allegato 3 Analisi Risachi ed Opportunità</a>           | Manuale qualità /Quality manual                 | Manuale qualità                    | Si         | Interno         | Approvato          | 09/05/2024     | Corina Medeot     |
| <a href="#">MQ allegato 6 Organigramma rev 8.xlsx</a>                  | Manuale qualità /Quality manual                 | Manuale qualità                    | Si         | Interno         | Approvato          | 11/03/2024     | Francesco Menotti |
| <a href="#">MQ allegato 7 Analisi del contesto e delle parti inter</a> | Manuale qualità /Quality manual                 | Manuale qualità                    | Si         | Interno         | Approvato          | 09/04/2024     | Vanessa Braidà    |
| <a href="#">PS01.docx</a>                                              | Specifiche d'acquisto/Purchasing specifications | 8.4_PG05                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">PS02.docx</a>                                              | Specifiche d'acquisto/Purchasing specifications | 8.4_PG05                           | Si         | Interno         | Approvato          | 08/10/2022     | Vanessa Braidà    |
| <a href="#">PS03-1.docx</a>                                            | Specifiche d'acquisto/Purchasing specifications | 8.4_PG05                           | Si         | Interno         | Approvato          | 13/09/2021     | Vanessa Braidà    |



| Nome                                                        | Ragione sociale                                             | Stato                 | Critico | Certificato 9001 | Certificato ATEX/EX | Tipo di fornitura          | Classe merceologica                      | Piano di audit | Report audit | Certificato UNI EN 10204 2.2 | Certificato UNI EN 10204 3.1 | Email                                                                                   | Tipo di elemento | Percorso                     |
|-------------------------------------------------------------|-------------------------------------------------------------|-----------------------|---------|------------------|---------------------|----------------------------|------------------------------------------|----------------|--------------|------------------------------|------------------------------|-----------------------------------------------------------------------------------------|------------------|------------------------------|
| A.G. TRADING CLAMPS S.R.L.                                  | A.G. TRADING CLAMPS S.R.L.                                  | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Microfusione                             | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| AMIS                                                        | AMIS SRL                                                    | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Strumenti/Taratura                       | No             | No           | No                           |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| APCOMERIE VAL BRUNA SPA                                     | ACCIARIERIE VALBRUNA SPA                                    | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Estrusi/Trafilati                        | No             | No           | SI                           |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| ADOLF SCHUCH GMBH                                           | ADOLF SCHUCH GMBH                                           | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Reattori/Kampade                         | No             | SI           |                              |                              | Klaus.Meyer@schuch.de;                                                                  | Catella          | sites/QualitySystemFornitori |
| ADRAGOMM SRL UNIPERSONALE                                   | ADRAGOMM SRL UNIPERSONALE                                   | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Materiali plastici                       | SI             |              |                              |                              | info@adragomm.it;                                                                       | Catella          | sites/QualitySystemFornitori |
| ALMET ITALIA S.R.L.                                         | ALMET ITALIA S.R.L.                                         | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Estrusi/Trafilati                        | No             | No           | SI                           |                              | Ardiano.Martini@metitalia.com;cristo_turconi@almetitalia.com;                           | Catella          | sites/QualitySystemFornitori |
| APF SRL                                                     | APF SRL                                                     | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Reattori/Kampade                         | No             |              |                              |                              | albertobella@apfitalia.com;parnela@apfitalia.com;silva@apfitalia.com                    | Catella          | sites/QualitySystemFornitori |
| APPARECCHIATURE ELETTRICHE DI SICUREZZA S.A.S. DI MARGANANI | APPARECCHIATURE ELETTRICHE DI SICUREZZA S.A.S. DI MARGANANI | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Materiali elettrici                      | No             | SI           | No                           |                              | info@ars-antidefflagranti.it                                                            | Catella          | sites/QualitySystemFornitori |
| APS ARDIO EXTRUSION SPA                                     | APS ARDIO EXTRUSION SPA                                     | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Estrusi/Trafilati                        | No             | No           | SI                           |                              | info@apasrosonextrusion.com                                                             | Catella          | sites/QualitySystemFornitori |
| ARTICOLI TRANCANTI SNC                                      | ARTICOLI TRANCANTI SNC                                      | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Guarnizioni                              | SI             | SI           | No                           |                              | articol.trancanti@tin.it                                                                | Catella          | sites/QualitySystemFornitori |
| ASTA                                                        | ASTA                                                        | Qualificato           | SI      | SI               | No                  | Servizi                    | Taratura                                 | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| ASTOR SRL                                                   | ASTOR SRL                                                   | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Materiali plastici                       | SI             | SI           | No                           |                              | astor@astor-srl.it                                                                      | Catella          | sites/QualitySystemFornitori |
| ATLAS METAL                                                 | ATLAS METAL                                                 | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Pressacavi                               | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| ATRA SRL                                                    | ATRA SRL                                                    | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Resina                                   |                |              |                              |                              | info@atra.it; brubin@atra.it                                                            | Catella          | sites/QualitySystemFornitori |
| BARTEC FN                                                   | BARTEC F.N. S.R.L.                                          | Qualificato           | SI      | SI               | SI                  | Servizi-Acquisti indiretti | Progettazione                            | SI             |              | No                           | No                           |                                                                                         | Catella          | sites/QualitySystemFornitori |
| BARTEC TOP HOLDING GMBH                                     | BARTEC TOP HOLDING GMBH                                     | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Nippi sigillati                          | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| BAS KUNSTSTOFFVERARBEITUNG GMBH                             | BAS KUNSTSTOFFVERARBEITUNG GMBH                             | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Materiali plastici                       | SI             |              | SI                           | No                           | C.Schmucker@bas.vy.de;AZDuo@bas.vy.de;                                                  | Catella          | sites/QualitySystemFornitori |
| BATT CABLES P.L.C.                                          | BATT CABLES P.L.C.                                          | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Pressacavi                               | No             |              |                              | No                           | fabricio_cavallini@battcables.it;                                                       | Catella          | sites/QualitySystemFornitori |
| BERARDI BULLONIERE S.R.L.                                   | BERARDI BULLONIERE S.R.L.                                   | Qualificato           | SI      | SI               | No                  | Acquisti indiretti         | Bullonerie                               | No             |              |                              |                              | L.Levada@berardi.com; danio.martin@ibero.it                                             | Catella          | sites/QualitySystemFornitori |
| BERNSTEIN AG                                                | BERNSTEIN AG                                                | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Materiali plastici                       | No             |              | SI                           | No                           | Karsten.Doering@bernstein.eu                                                            | Catella          | sites/QualitySystemFornitori |
| BESTERFELD POLYBASS SPA                                     | BESTERFELD POLYBASS SPA                                     | Qualificato           | SI      | No               | No                  | Acquisti indiretti         | Materiali plastici                       | No             |              |                              |                              | info@besterfeldpolybass.com                                                             | Catella          | sites/QualitySystemFornitori |
| BILANCINI                                                   | SOCIETA' BILANCINI SRL                                      | Qualificato           | SI      | SI               | SI                  | Servizi                    | Strumenti/Taratura                       | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| BIOSELLO                                                    | CARL ZEISS X-RAY TECHNOLOGIES SRL                           | Qualificato           | SI      | SI               | No                  | Servizi-Acquisti diretti   | Strumenti/Taratura                       | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| BRONZINOX SRL                                               | BRONZINOX SRL                                               | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Estrusi/Trafilati                        | No             |              | No                           | SI                           | arianna@bronzinox.it;csabella@bronzinox.it;callegaro@bronzinox.it;                      | Catella          | sites/QualitySystemFornitori |
| CLUC SRL                                                    | CLUC SRL                                                    | Qualificato           | SI      | SI               | No                  | Acquisti indiretti         | Lampade                                  | No             |              | SI                           | No                           | luca.brd@cluc.it; Roberta.Busca -Roberta.Busca@cluc.it-; Davide Casarano                | Catella          | sites/QualitySystemFornitori |
| C.M.C. ANTEDEFLAGRANTI S.R.L.                               | C.M.C. ANTEDEFLAGRANTI S.R.L.                               | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Custodie in alluminio o poliestere       | SI             |              | No                           |                              | info@cmcantedeflagranti.com                                                             | Catella          | sites/QualitySystemFornitori |
| CISTELLAS MARIA & C. SPA                                    | CASTELLAN MARIA & C. SPA                                    | Qualificato           | SI      | No               | No                  | Acquisti indiretti         | Tabi                                     | No             |              |                              |                              | goran.sicic@castellamariaspa.com                                                        | Catella          | sites/QualitySystemFornitori |
| CHROMATOR                                                   | CHROMATOR                                                   | Qualificato           | SI      | No               | No                  | Servizi                    | Verniciatura                             | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| CISA SRL                                                    | CISA SRL                                                    | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Tappi e rifilazioni                      | No             |              | No                           | SI                           | sonogo@cisa.tv.it;mirko@cisa.tv.it;qualita@cisa.tv.it;info@cisa.tv.it;                  | Catella          | sites/QualitySystemFornitori |
| CONTA CLIP SRL                                              | CONTA CLIP SRL                                              | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Pressacavi                               | SI             |              | No                           | No                           | longing@conta-clip.it                                                                   | Catella          | sites/QualitySystemFornitori |
| COSME GROUP SRL                                             | COSME GROUP SRL                                             | In corso di qualifica | SI      | SI               | No                  | Acquisti diretti           | Fusioni                                  | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| CRONATURA BOLZAN                                            | CRONATURA BOLZAN SNV                                        | Qualificato           | SI      | No               | No                  | Servizi                    | Nichelatura/Zincatura                    | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| CSAFAR PLAST LTD                                            | CSAFAR PLAST LTD.                                           | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Custodie in GRP                          | SI             |              | SI                           | No                           | plast@csatarplast.hu;divia@csatarplast.hu;                                              | Catella          | sites/QualitySystemFornitori |
| DAD ANTICORROSIONE SRL                                      | DAD ANTICORROSIONE SRL                                      | Non qualificato       | SI      | SI               | No                  | Acquisti indiretti         | Verniciatura                             | SI             |              | SI                           | No                           |                                                                                         | Catella          | sites/QualitySystemFornitori |
| FASMA SRL                                                   | FASMA SRL                                                   | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Anime per bassa pressione                | No             | No           | No                           | No                           | danie@fasma.bz                                                                          | Catella          | sites/QualitySystemFornitori |
| FIMTECH D.O.O.                                              | FIMTECH D.O.O.                                              | Qualificato           | SI      | SI               | No                  | Servizi-Acquisti indiretti | Fusioni                                  | SI             |              |                              |                              | robert.frandoc@fimgo.si                                                                 | Catella          | sites/QualitySystemFornitori |
| FLAG SRL                                                    | FLAG SRL                                                    | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Fusioni                                  | SI             |              | No                           | SI                           | diego.miano@flagfondrie.com;commerciale@flagcasti                                       | Catella          | sites/QualitySystemFornitori |
| FLATATEX                                                    | FLATATEX                                                    | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Lenti                                    | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| FONDER.COM SRL                                              | FONDER.COM SRL                                              | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Pani di alluminio                        | No             |              | No                           | SI                           | fonder@fondercom.it                                                                     | Catella          | sites/QualitySystemFornitori |
| FONDERIA METALLI BOLDO                                      | FONDERIA METALLI BOLDO                                      | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Fusioni                                  | SI             |              | SI                           | SI                           | info@fondieri.arduino.it                                                                | Catella          | sites/QualitySystemFornitori |
| FONDERIA PIAVE SRL                                          | FONDERIA PIAVE SRL                                          | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Fusioni                                  | SI             |              | SI                           | SI                           | ufficio-tecnico@fondierapiave.it;amministrazione_clienti@fondierapiave.it;              | Catella          | sites/QualitySystemFornitori |
| FONDERIA RIALZ S.A.S. DI RIALZ LUCA E DANIELE E C.          | FONDERIA RIALZ S.A.S. DI RIALZ LUCA E DANIELE E C.          | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Fusioni                                  | SI             |              | SI                           | SI                           | info@fondieraritalz.com                                                                 | Catella          | sites/QualitySystemFornitori |
| FONDMETAL S.R.L.                                            | FONDMETAL S.R.L.                                            | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Fusioni                                  | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| FRULIANA METALLI SPA                                        | FRULIANA METALLI SPA                                        | Qualificato           | SI      | No               | No                  | Acquisti indiretti         | Estrusi/Trafilati                        | No             |              | No                           | SI                           | info@frulanametalli.it; lusa@frulanametalli.it;                                         | Catella          | sites/QualitySystemFornitori |
| GADON DINFIAUSTO ANTEDEFLAGRANTI SRL                        | GADON DINFIAUSTO ANTEDEFLAGRANTI SRL                        | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Nippi                                    | No             |              |                              |                              | sabina@gadonanteflagranti.com                                                           | Catella          | sites/QualitySystemFornitori |
| GAM TECH SRL                                                | GAM TECH SRL                                                | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Anime per fusioni                        | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| GLOSTERTUBE SRL                                             | GLOSTERTUBE SRL                                             | Qualificato           | SI      | SI               | No                  | Acquisti indiretti         | Vetri                                    | No             |              | SI                           | No                           | chiaraf@glostertube.com;alberto@glostertube.com;lorenzog@glostertube.com                | Catella          | sites/QualitySystemFornitori |
| HUMMEL S.R.L.                                               | HUMMEL S.R.L.                                               | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Pressacavi                               | No             | SI           | No                           |                              | danielparoparini@gmail.com;C.Cartere@hummel.com;                                        | Catella          | sites/QualitySystemFornitori |
| ILUNOX SRL                                                  | ILUNOX SRL                                                  | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Prodotti in inox                         | SI             |              | SI                           | SI                           | Cosconcelli Debora (debora.cosconcelli@ilunox.com)                                      | Catella          | sites/QualitySystemFornitori |
| IMPIONTA GAS DI ROTA GIOVANNI                               | IMPIONTA GAS DI ROTA GIOVANNI & C.                          | Qualificato           | SI      | No               | No                  | Servizi                    | Assemblaggio                             | SI             |              |                              |                              | importa - info@importa.online -                                                         | Catella          | sites/QualitySystemFornitori |
| INNOCHIMICA S.R.L.                                          | INNOCHIMICA S.R.L.                                          | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Resina                                   | SI             |              |                              |                              | commerciale@innochimica.it                                                              | Catella          | sites/QualitySystemFornitori |
| ISCRADIELECTRICS SRL                                        | ISCRADIELECTRICS SRL                                        | Qualificato           | SI      | No               | No                  | Acquisti indiretti         | Resina                                   | SI             |              | SI                           | No                           | ISCRADIELECTRICS Srl -info@iscrasrl.com-                                                | Catella          | sites/QualitySystemFornitori |
| KIT S SRL                                                   | KIT S SRL                                                   | In corso di qualifica | SI      | SI               | No                  | Servizi                    | Assemblaggio                             | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| KOPO D.O.O. MIRNA                                           | KOPO D.O.O. MIRNA                                           | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Prodotti in inox                         | SI             |              | SI                           | SI                           | Proizvodnja_Kopo d.o.o. Mima -proizvodnja@kopo.si-                                      | Catella          | sites/QualitySystemFornitori |
| LAZZERINI PARIS SAS                                         | LAZZERINI PARIS SAS                                         | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Vetri                                    | SI             |              | SI                           |                              | lazzerini.paris@gmail.com                                                               | Catella          | sites/QualitySystemFornitori |
| MARCHETTO F.LLI SRL                                         | MARCHETTO F.LLI SRL                                         | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Anime                                    | No             |              | No                           | No                           | vendite@marchettofatelli.it;                                                            | Catella          | sites/QualitySystemFornitori |
| METALMECH ENGINEERING                                       | METALMECH ENGINEERING                                       | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Pressacavi                               | SI             | 21/12/2021   | No                           |                              | direct@metalmtecheng.com                                                                | Catella          | sites/QualitySystemFornitori |
| METLAB SRL                                                  | METLAB SRL                                                  | In corso di qualifica | SI      | SI               | No                  | Servizi                    | Taratura                                 | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| MIR                                                         | MARPOSS ITALIA SPA                                          | Qualificato           | SI      | SI               | No                  | Acquisti indiretti         | Strumenti/Taratura                       | No             |              | No                           | No                           |                                                                                         | Catella          | sites/QualitySystemFornitori |
| MP SRL DI PAOLINI                                           | MP S.R.L. DI PAOLINI                                        | In corso di qualifica | SI      | No               | No                  | Servizi                    | Verniciatura                             | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| NEUVON SRL                                                  | NEUVON SRL                                                  | Qualificato           | SI      | No               | No                  | Servizi                    | Strumenti/Taratura                       | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| NUOVA ASP CO. LTD                                           | NUOVA ASP CO., LTD                                          | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Pressacavi                               | No             |              | No                           | No                           | ba@nuovaasp.co.kr;                                                                      | Catella          | sites/QualitySystemFornitori |
| OFFICINA MECCANICA B.V.R. SRL                               | OFFICINA MECCANICA B.V.R. SRL                               | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Prodotti in inox                         | SI             |              | SI                           | SI                           | andrea.boini@vrfireproof.com                                                            | Catella          | sites/QualitySystemFornitori |
| OFFICINA TERMOPLASTICA MILANESE S.R.L.                      | OFFICINA TERMOPLASTICA MILANESE S.R.L.                      | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Materiali plastici                       | No             |              | No                           | SI                           | commerciale@otm-it.com;                                                                 | Catella          | sites/QualitySystemFornitori |
| PAHON D.O.O. SRL A SOCIO UNICO                              | PAHON D.O.O. SRL A SOCIO UNICO                              | Qualificato           | SI      | SI               | No                  | Acquisti indiretti         | Estrusi/Trafilati                        | No             |              |                              |                              | marco@pahon.it                                                                          | Catella          | sites/QualitySystemFornitori |
| PEPPER-FUCHS SRL                                            | PEPPER-FUCHS SRL                                            | Qualificato           | SI      | SI               | SI                  | Acquisti diretti           | Materiali elettrici                      | No             |              | No                           | No                           | evergan@it.pepper-fuchs.com; ccrippa@it.pepper-fuchs.com;Pa-orders@it.pepper-fuchs.com; | Catella          | sites/QualitySystemFornitori |
| RODANOX S.R.L.                                              | RODANOX S.R.L.                                              | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Laminati                                 | No             |              |                              |                              | rodanox@ibero.it                                                                        | Catella          | sites/QualitySystemFornitori |
| S.A.V. SPA SOCIETA' ALLUMINIO VENETO                        | S.A.V. SPA SOCIETA' ALLUMINIO VENETO                        | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Pani di alluminio                        | No             |              | No                           | SI                           | Gloria.Rossetto@sav-all.com;pagese.mauro@email.it;Manuele.Rossetto@sav-all.com;         | Catella          | sites/QualitySystemFornitori |
| SARDINI BRASS                                               | SARDINI BRASS INC                                           | In corso di qualifica | SI      | SI               | No                  | Acquisti diretti           | Pressacavi                               | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| SAVIOTECH S.R.L.                                            | SAVIOTECH S.R.L.                                            | In corso di qualifica | SI      | No               | No                  | Acquisti diretti           | Materiali plastici                       | SI             |              |                              |                              | info@saviotech.it;                                                                      | Catella          | sites/QualitySystemFornitori |
| SIFLEX SRL                                                  | SIFLEX SRL                                                  | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Tabi flessibili                          | No             |              | SI                           | No                           | info@siflex.it                                                                          | Catella          | sites/QualitySystemFornitori |
| STEMIN SPA                                                  | STEMIN S.P.A.                                               | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Pani di alluminio                        | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| STORA                                                       | STORA D.O.O.                                                | Qualificato           | SI      | SI               | No                  | Servizi                    | Verniciatura                             | SI             |              | SI                           |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| TECHNOSERVICE SNC                                           | TECHNOSERVICE SRL                                           | Non qualificato       | SI      | No               | No                  | Servizi                    | Assemblaggio                             | No             |              | No                           | No                           |                                                                                         | Catella          | sites/QualitySystemFornitori |
| VERGOMMA S.R.L.                                             | VERGOMMA S.R.L.                                             | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Guarnizioni                              | SI             |              | SI                           | No                           | stefano.pizzi@vergomma.it                                                               | Catella          | sites/QualitySystemFornitori |
| VETREBA AMADIO SRL                                          | VETREBA AMADIO SRL                                          | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Vetri                                    | No             |              | SI                           | No                           | commerciale@vetrebaamadio.com                                                           | Catella          | sites/QualitySystemFornitori |
| VINE D.O.O.                                                 | VINE D.O.O.                                                 | Qualificato           | SI      | No               | No                  | Servizi                    | prodotti in alluminio lavorati a disegno | SI             |              | SI                           | No                           | aljoja@vine-doo.com;vine@vine-doo.com;reva@vine-doo.com;                                | Catella          | sites/QualitySystemFornitori |
| VPL                                                         | VPL d.o.o.                                                  | Qualificato           | SI      | SI               | No                  | Servizi                    | Verniciatura                             | SI             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| WAGO ELETTRONICA SRL A SOCIO UNICO                          | WAGO ELETTRONICA SRL A SOCIO UNICO                          | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Materiali elettrici                      | No             |              |                              |                              | alvise.pengo@wago.com; federica.tassoni@wago.com;                                       | Catella          | sites/QualitySystemFornitori |
| WARCON TECHNOLOGY INCORPORATED COMPANY                      | WARCON TECHNOLOGY INCORPORATED COMPANY                      | Qualificato           | SI      | No               | No                  | Acquisti diretti           | Materiali elettrici                      | No             |              |                              |                              | gmbl@warcon.com;mb10@warcon.com                                                         | Catella          | sites/QualitySystemFornitori |
| WEIDMULLER SRL                                              | WEIDMULLER SRL                                              | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Materiali elettrici                      | No             |              |                              |                              | LFassini@weidmuller.it;stascco@weidmuller.com; dora.gadetta@weidmuller.com              | Catella          | sites/QualitySystemFornitori |
| ZALUX S.A.                                                  | ZALUX S.A.                                                  | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Materiali plastici                       | No             |              |                              |                              |                                                                                         | Catella          | sites/QualitySystemFornitori |
| ZEISS                                                       | CARL ZEISS SPA CON SOCIO UNICO                              | Qualificato           | SI      | SI               | No                  | Acquisti diretti           | Strumento/Taratura                       | No             |              | No                           | No                           |                                                                                         | Catella          | sites/QualitySystemFornitori |
| ZH2 SERVIZI D.O.O.                                          | ZH2 SERVIZI D.O.O.                                          | Non qualificato       | SI      | No               | No                  | Servizi                    | Verniciatura                             | SI             |              | SI                           | No                           | zh2servizi@gmail.com                                                                    | Catella          | sites/QualitySystemFornitori |



**CERTIFICATO N. 9190.FENX**  
**CERTIFICATE N.**

SI CERTIFICA CHE IL SISTEMA DI GESTIONE PER LA QUALITA' DI  
*WE HEREBY CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OPERATED BY*

**FENEX SRL**

VIA CARDUCCI 16 - 34070 MORARO (GO) Italy

UNITA' OPERATIVE/OPERATIVE UNITS

VIA CARDUCCI 16 - 34070 MORARO (GO) Italy

E' CONFORME ALLA NORMA */IS IN COMPLIANCE WITH THE STANDARD*

**ISO 9001:2015**

PER LE SEGUENTI ATTIVITA' / *FOR THE FOLLOWING ACTIVITIES*

Produzione di raccorderia elettrica, fusioni in alluminio, apparecchiature elettriche antideflagranti  
e stagne destinate all'industria chimica, petrolchimica ed agli impianti offshore

*Manufacturing of electrical fittings, aluminium alloy castings,  
"Ex" and water proof devices, expected to be used in chemical and  
petrolchemical industries and offshore plants*

Ulteriori informazioni riguardanti l'applicabilità dei requisiti ISO 9001:2015 possono essere ottenute consultando l'organizzazione  
*Further clarifications regarding the applicability of ISO 9001:2015 requirements may be obtained by consulting the organization*

IL PRESENTE CERTIFICATO E' SOGGETTO AL RISPETTO DEL  
REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE  
*THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE  
REQUIREMENTS OF THE RULES FOR CERTIFICATION OF MANAGEMENT SYSTEMS*

|              |                                                    |                                            |                           |
|--------------|----------------------------------------------------|--------------------------------------------|---------------------------|
| <b>DATE:</b> | PRIMA CERTIFICAZIONE<br><i>FIRST CERTIFICATION</i> | EMISSIONE CORRENTE<br><i>CURRENT ISSUE</i> | SCADENZA<br><i>EXPIRY</i> |
|              | 31/10/2006                                         | 21/10/2024                                 | 30/10/2027                |



IMQ S.p.A. - VIA QUINTILIANO, 43 - 20138 MILANO ITALY  
Management Systems Division - Flavio Ornago



IAF: 18,19

MS N° 0005MS

Membro degli Accordi di Mutuo  
Riconoscimento EA, IAF e ILAC  
Signatory of EA, IAF and ILAC Mutual  
Recognition Agreements

La validità del certificato è subordinata a sorveglianza annuale e riesame  
completo del Sistema di Gestione con periodicità triennale  
*The validity of the certificate is submitted to annual audit and a  
reassessment of the entire Management System within three years*



www.cisq.com

CISQ è la Federazione Italiana di Organismi di  
Certificazione dei sistemi di gestione aziendale. CISQ  
is the Italian Federation of management system  
Certification Bodies.

# Certificate

**CISQ/IMQ** has issued an IQNET recognized certificate that the organization:

**FENEX SRL**

**VIA CARDUCCI 16 - 34070 MORARO (GO) Italy**

has implemented and maintains a  
**Quality Management System**

for the following scope:

**Manufacturing of electrical fittings, aluminium alloy castings,  
"Ex" and water proof devices, expected to be used in chemical and  
petrolchemical industries and offshore plants**

which fulfills the requirements of the following standard:

**ISO 9001:2015**

Issued on: **2024/10/21**

Expires on: **2027/10/30**

Registration Number: **IT-52660-9190.FENX**

  
**Alex Stoichitoiu**  
President of IQNET

  
**Mario Romersi**  
President of CISQ



This attestation is directly linked to the IQNET Member's original certificate and shall not be used as a stand-alone document.

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\* The list of IQNET Members is valid at the time of issue of this certificate. Updated information is available under [www.iqnet-certification.com](http://www.iqnet-certification.com)