

# Analyzers and Measurement Technology

Credible Solutions for the Oil and Gas Industry



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Engineering/  
Design To Order  
Solutions

Customized,  
Turn Key  
Solutions

International  
Approvals

BARTEC BENKE is a company with more than 60 specialists committed to monitor and optimize production processes in the oil and gas industry and accordingly to assure an efficient production of high-quality products.

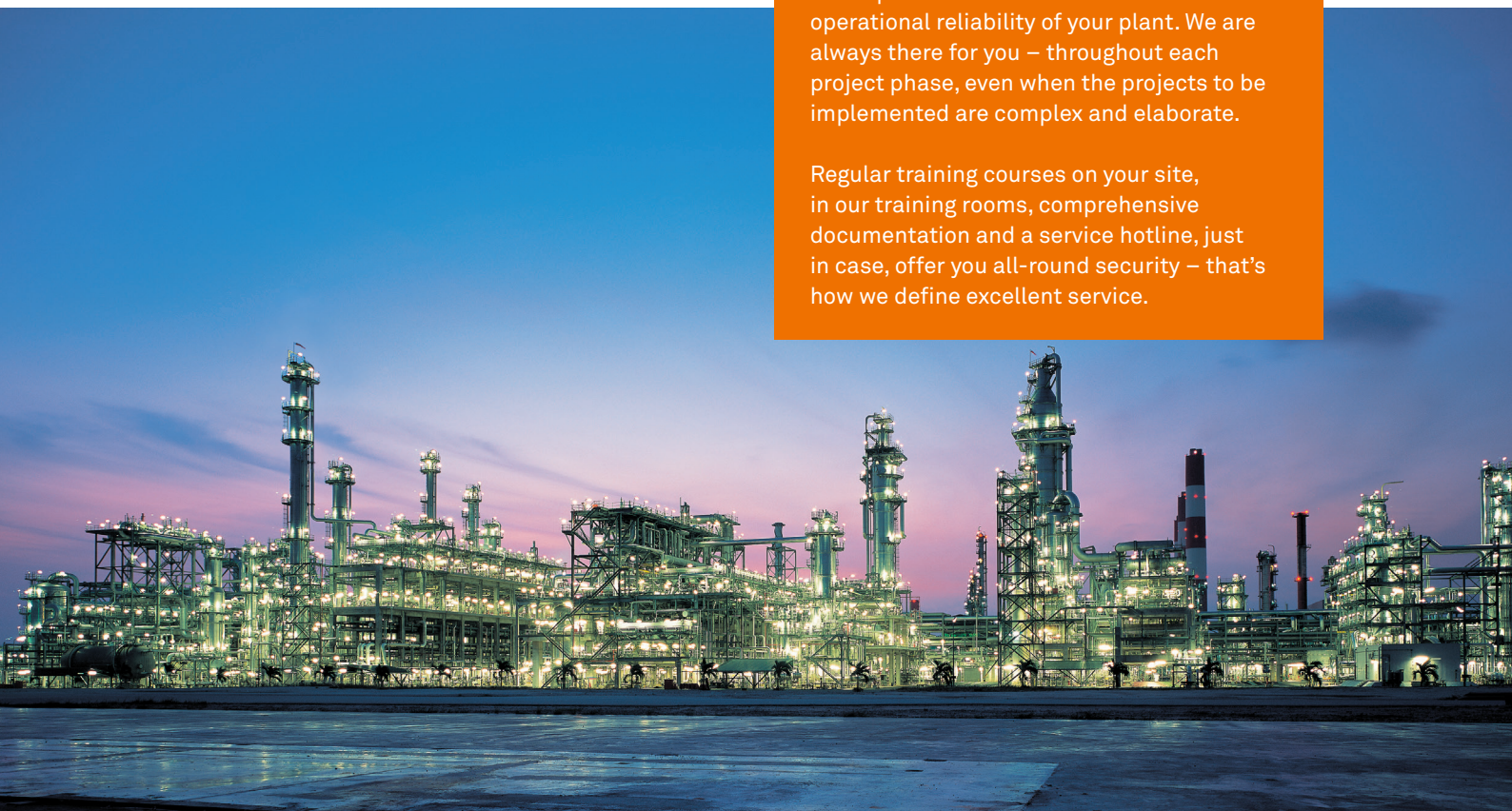
Our knowledge and many years of experience form the basis of innovative and economical process analyzers, moisture analyzers and cooling systems, which comply with international standards, such as ASTM and DIN.

- Engineering
- Manufacturing and Procurement
- International Approvals
- Commissioning
- After Sales Service

## Best Service

Our experienced team assures the operational reliability of your plant. We are always there for you – throughout each project phase, even when the projects to be implemented are complex and elaborate.

Regular training courses on your site, in our training rooms, comprehensive documentation and a service hotline, just in case, offer you all-round security – that's how we define excellent service.





Process  
analyzers

Humidity  
measurement  
systems

Cooling  
systems

After Sales  
Service



## Process analyzers for liquids

Our online-analyzers continuously supply the relevant process parameters to allow optimum process management. In this way, the analyzers ensure that the quality produced complies with the applicable standards and product-related specifications.

BARTEC BENKE offers a wide range of high-quality analyzers. We configure the devices to suit the respective individual customer's process requirements. Our experts will advise and assist you with projects, from the idea to completion, all over the world.

Our mission is to develop new solutions in close co-operation with our customers and set standards with our leading analyzers.

BARTEC BENKE also supports the environmental developments in the EU and globally. Therefore we offer a range of biofuels-ready analyzers.



biofuel  
bioethanol  
biodiesel  
ready

## Process analyzers

- Cold Filter Plugging Point Process Analyzer
- Distillation Process Analyzer
- Flash Point Process Analyzer
- Freezing/Cloud Point Process Analyzer
- Pour Point Process Analyzer
- Reid Vapour Pressure Process Analyzer
- Capillary Viscosity Process Analyzer
- FT-NIR Process Analyzer

BARTEC BENKE analyzers are also fully compliant with standards for non-electrical Ex equipment for explosive atmospheres.

Process analytical upgrades or replacements and providing a cyber secure concept become more and more important. BARTEC BENKE offers an advanced cyber secure system for their analyzers.





## Humidity measurement technology

For many years the solutions supplied by BARTEC BENKE have proven to be successful in measuring the absolute humidity in gas at high temperatures or high levels of dust exposure; providing precision, long-time stability, reproducibility.

To protect natural gas installations and assure smooth operation, you should use the HYGROPHIL® HCDT to monitor the hydrocarbon dew point continuously.

The Hygrophil® F 5674 is a well-proven solution for determining trace moisture. It is suitable for applications both in gases and in liquids.

We can also measure the humidity in pure hydrogen or natural gas mixtures with hydrogen!

## Cooling systems

Constant ambient and product temperatures are crucial for process analysis. Cooling systems form the basis of reliable measurement results by process analyzers and other instruments. We offer customized air-conditioning units and standardized cooling systems in various power ratings:

- Chillers for cooling liquids/products
- Wall-mounted air-conditioners
- Customized HVAC units







## Turn Key solutions

Are you looking for an individual solution? We implement large-scale projects with customized complete solutions, including integration into existing processes – all from one source. Depending on the requirements, such complete solutions can contain:

- Analyzers from BARTEC BENKE or from other manufacturers
- Sample conditioning systems
- Fast-loop systems
- Recovery tanks
- Cooling systems
- Analyzer houses and cabinets



We plan and deliver analyzer houses and cabinets to suit your needs.



## **BARTEC**

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