



**Committed to safety**

Within 35 years, a German engineering company has developed into the international high tech company BARTEC, one of the leading suppliers of safety technology.

Our innovative spirit and consistent product development are the basis for innovative solutions and exemplary performance at BARTEC.

All component and system solutions developed by BARTEC meet the requirements specified in the European directives (ATEX) as well as in international standards and recommendations.



The production sites Bad Mergentheim and Gotteszell set standards in these technologies:

- Automation technology
- Control and connection equipment
- Electric heating
- Communication and security systems
- Analyzers and measurement technology
- Measurement and data acquisition systems

Throughout the world, people know and trust in the name BARTEC. The confidence of our customers commits us to meeting the highest quality standards. We are proud of many long-time partnerships with our customers.



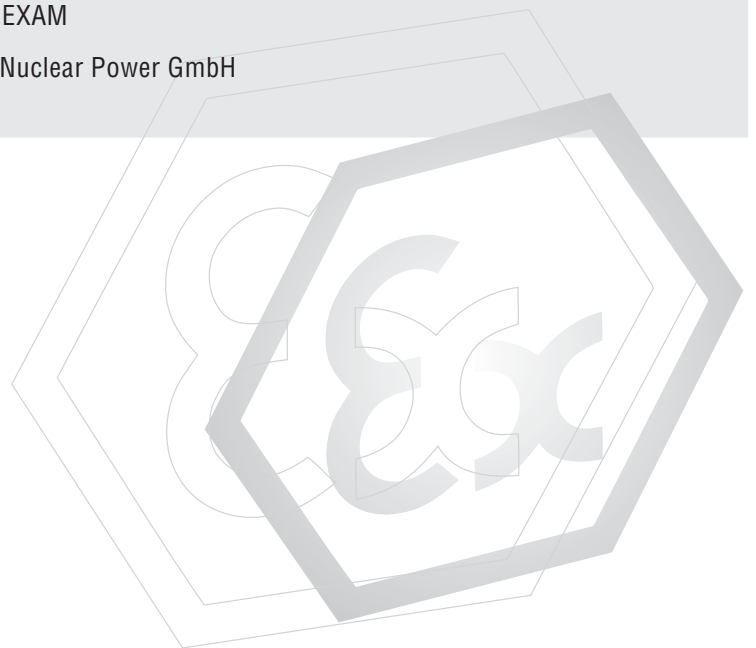
All BARTEC site locations fulfill highest quality standards. These standards meet the site locations through a certified management system according to the international standard ISO 9001.

At some site locations further certificates and accreditations are being implemented according to their own goals and requirements for their specific products, e. g.:

- Quality Assurance System according to Directive 94/9/EC and IECEx schema
- EN 9100 Aerospace Series, Quality Systems
- KTA 1401 German Nuclear Safety Standards Commission
- ISO 14001 Environmental Management system

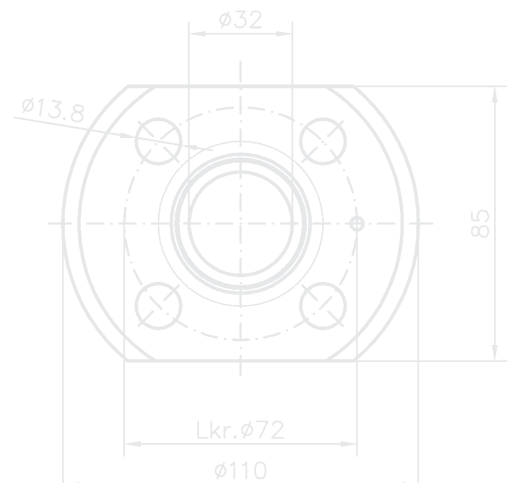
The management systems are subject to scrutiny by, among others, the following certification bodies and monitoring organisations:

TÜV NORD CERT	Technischer Überwachungsverein
DNV	Det Norske Veritas
UL	Underwriters Laboratories
PTB	Physikalisch-Technische Bundesanstalt
BVQI	Bureau Veritas Quality International
KEMA	Keuring Elektrotechnische Materialen
CSA	Canadian Standard Association
FM	Factory Mutuals
VDE	Verband der Elektrotechnik Elektronik Informationstechnik
DEKRA EXAM	DEKRA EXAM
AREVA NP	AREVA Nuclear Power GmbH





<b>Insurer</b>	AXA Versicherung AG ZURICH Versicherung AG
<b>Limits of liability</b>	10 Mio. EUR for personal and property damage
<b>Insurance excesses</b>	40 Mio. Euro for personal and property damage
<b>Scope of coverage</b>	<ul style="list-style-type: none"> <li>■ production &amp; products liability</li> <li>■ personnel indemnity</li> <li>■ property</li> <li>■ design</li> <li>■ construction</li> </ul>
<b>Validity</b>	worldwide coverage
<b>Policy N°</b>	70 23 60 47434





**Bad Mergentheim and Gotteszell 2009/2010**

<b>Employees total</b>	383
<b>Production</b>	130
<b>Logistic</b>	43
<b>Development</b>	60
<b>Sales</b>	76
<b>Administration</b>	54



**Automation technology**

Innovative solutions are required for the automation of industrial equipment and plants to increase productivity and thus economic efficiency in a sustainable way. Everyone aiming at achieving optimum results trusts in the state-of-the-art technology from BARTEC.

BARTEC develops and manufactures safety solutions for controlling complex systems such as chemical and pharmaceutical product lines.

Identification Visualization Communication



■ **Bus technology**

Remote I/O solutions für PROFIBUS-DP



■ **Mobile computing**

Barcode and RFID data acquisition, Radio data transmission WLAN, Bluetooth

■ **Operator stations**

Remote-Stationen, Panel PCs, Web Client



■ **Mobile Phone**

Mobile Phone with integrated tracking system





**Control and connection equipment**

Plant and machinery as well as OEMs trust in solutions for dust and gas explosion protection from BARTEC.

A very successful and flexible system is the control and display unit series ComEx. The enclosures are constructed of highly shock-resistant plastics or stainless steel and can be combined with a wide variety of innovative switchgear, control and display units.

Switching Signalling Controlling Connecting



**Switchgear and control systems**

- Control and indicating equipment
- Local control stations
- Ex d and Ex p solutions
- Switch and control equipment
- Line bushings and cable entries



**Installation technology**

- Enclosures and distribution boxes of polyester, aluminium or stainless steel
- Signalling units
- Connectors





**Heating technology**

BARTEC develops and manufactures innovative electrical trace heating systems for frost protection, temperature maintenance and heating.

These systems are applied for the heating of tanks, silos, pipes and pipe systems to keep liquids and gases at a specific temperature.



Frost protection    Process heating    Temperature maintenance

- Heating cables
- Connection systems
- Control systems
- Heaters
- Installation accessories





**Communication and security systems**

BARTEC design, manufacture and supply communication and security systems for safe usage in severe climatic and harsh operational environments, including potentially explosive atmospheres and life safety critical applications.

Stability, predictability, a long service life with trouble-free operation and low life-cycle costs are ensured by the incorporation of various redundancy concepts. They make a valuable contribution to process optimisation and workplace safety in industrial plants.

**Communication Monitoring Alarming Saving**



- Public Adress and General Alarm Systems (PAGA)
- Page-Party Communication Systems
- Driller's Intercom systems
- Video surveillance systems (CCTV)
- Management systems and software solutions





### Measurement and sensor technology

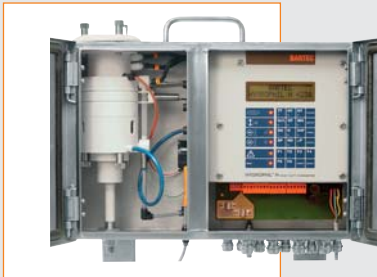
BARTEC design, manufacture and supply sensors, measurement systems and analyzers for the chemical, petrochemical, natural gas, pharmaceutical, environment, energy and food industries.

Solid measurement technology is the basic for the production and quality assurance of high quality products and ensuring safety for people and environment, systems and plants.

### Analyzing Measuring Evaluating Recording



- Contactless temperature measurement
- Moisture measurement in gases and liquids
- Offline data acquisition





### Logistic system solutions for fuel and milk



#### Measurement and data acquisition systems

##### Hazardous substances

When transporting and distributing hazardous substances such as fuel, oil, liquid gases, alcohol or chemicals extremely accurate calibration and most careful implementation of safety regulations are required. For the respective industry, we provide system solutions to increase the economic efficiency of all processes and procedures.

- Dipstick system
- Quality assurance
- Sealed transport

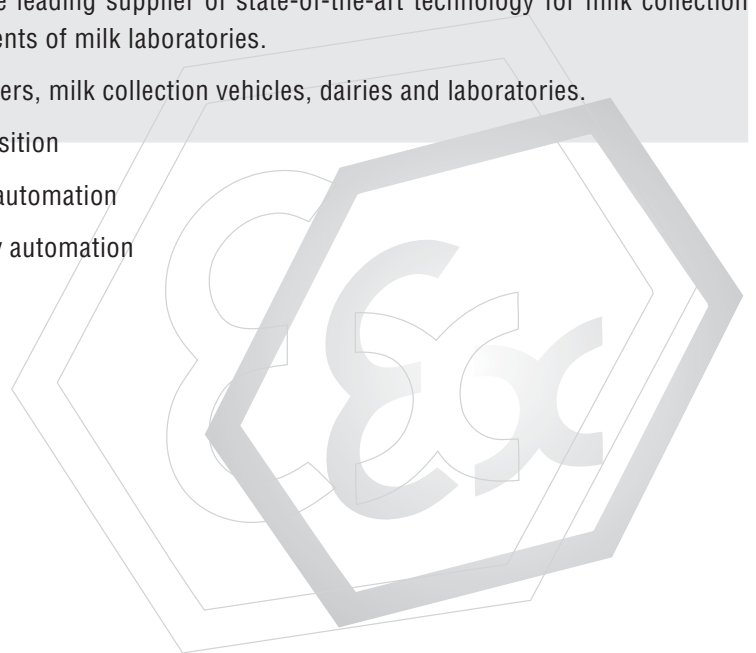


##### Milk

BARTEC is the leading supplier of state-of-the-art technology for milk collection and requirements of milk laboratories.

We link suppliers, milk collection vehicles, dairies and laboratories.

- Data acquisition
- Sampling automation
- Laboratory automation



**Excerpt from delivery range (products)**

Explosion-proof, firedamp-proof/media-resistant switches, control and signalling devices, line bushings and cable entries; empty enclosures; distribution boxes; terminals with accessories; intrinsically safe components and devices; explosion-proof measuring, controlling and regulating devices; controls and control units; explosion-proof components in modular design; flue gas warning systems; leakage detection systems; barcode reading systems; text displays, panel PCs, remote units; electrical heating systems for industry and building services, flashing lamps. Engineering and project planning for plants and plant parts in measurement and control technology.

**Approvals (examples)**

PTB, VDE, BVS, TÜV, IBEXU, BASEEFA, MECS, EECS, LCIE, SEV, NEMKO, INERIS, FMRC, UL, DNV, KEMA, CSA, TÜV Vienna, Ministry of the Environment (Water Resources Management [WHG]), GL, FTZU

Standards: EN 60079 ff., EN 50000 ff., EN 60335, EN 60950, EN 60947 ff., EN 60999, EN 60529, EN 60204 ff., EN 9100, DIN VDE 254, ISO 9000 ff., ISO 14000 ff., KTA 1401, IEC, etc.

Directives: 2004/108/EC (89/336/EC), 94/9/EC, 2006/95/EC (73/23/EC) etc.

**System Audits by Customers/Authorities (excerpts)**

TÜV CERT (D), AREVA NP (D), VGB (D), EECS (UK), Hopkinsons Ltd. (UK), FMRC (USA), KEMA(NL), CSA (CDN), DNV (N), AECMA EASE (Int.), UL

**Production Facilities / Special Manufacturing Processes**

CNC milling machine, drilling/milling machining centre, lathes, grinding machines, automatic assembly machine, automatic cable cutters, wave soldering unit, automatic resistance welding machine, SMD mounting stations, low-pressure plasma system, printing equipment, 2-C mixing and metering units for liquid plastics

**Main Materials Processed**

Non-ferrous metals, aluminium, plastics (thermosetting plastics, thermoplastics), epoxy casting resins, cables, conductors.

**Main Testing and Measuring Equipment Used**

Gauges, working and reference standards, measuring tools (callipers, micrometers etc.), optical measuring equipment, automatic length checking equipment, pressure testing devices, tensile testers, force/displacement measuring devices, impact testing devices, voltmeters/ammeters, high-voltage testers, oscilloscopes, temperature testing devices, automatic testing devices for electronic modules

**Integrated Management (Quality, Environment, Safety at Work)**

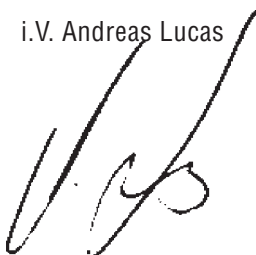
BARTEC GmbH meets the requirements of Annex IV, Production Quality Assurance, of the 94/9/EC directive and has a certified Quality, Safety and Environment Management System (e.g. DIN EN ISO 9001, DIN EN ISO14001).

FAQ

<b>1</b>	Is there any organisation chart (organsiational structure)?	yes
<b>2</b>	Is this chart known in all areas?	yes
<b>3</b>	Has a QSE policy been formulated?	yes
<b>4</b>	Do all employees know it?	yes
<b>5</b>	Does the company have a quality assurance system?	yes
<b>6</b>	Does the system meet the requirements of ISO 9001 ISO 14001 EN 9100 KTA 1401 SCC 94/9/EG	yes
<b>7</b>	Is this system described in a manual?	yes
<b>8</b>	Does the company have corresponding certificates?	yes
<b>9</b>	Does the company have experience with orders subject to special QSE requirements?	yes
<b>10</b>	Is the system's effectiveness tested periodically in internal system audits? Are there any reports about it?	yes
<b>11</b>	Does the QSE officer/QA department report directly to management?	yes
<b>12</b>	Are the responsibilities of the QSE officer set out in writing?	yes
<b>13</b>	Are the responsibilities and powers for all employees in the QA department set out in writing?	yes

Bad Mergentheim, April 12, 2010

i.V. Andreas Lucas



Chief Quality Mangement



date of issue April 2010

