For five decades, Turck has been your reliable partner for the chemical industry. Customers around the world benefit from our industry-specific automation solutions in the areas of sensors, connection and I/O-technology and RFID solutions.

Whether it is a new plant on the green field or an expansion or modernization of existing production facilities, the Turck team for chemical solutions will be happy to advise you with providing application-specific know-how from the very projects in many fields.

Our support ranges from worldwide project management to the application-specific advice on site. From planning to commissioning we will guide you in all phases of the project.

Identification of mobile containers and stations

- The RFID system BL ident® ensures increased plant efficiency and traceability of the production processes through reliable detection of mobile containers.

Connection of field devices

- Efficient and fail-safe connection of field devices thanks to the process wiring connection technology realized with our Quick Disconnect connectors.
- Comprehensive portfolio with connectors, cables and splitter boxes reduces cabling.

Monitoring of rotary actuators

- The Excom® and BL20 modular I/O systems support application-optimized signal processing.
- Use in the non-Ex and Ex areas in zones 1 and 2, as well as 21 and 22.

Cabinet guard

- Monitoring of the door as well as over exceeds of temperature and interior humidity.
- Applicable up to zone 1.

Distributed signal processing

- The modular I/O systems support application-optimized signal processing.
- Use in the non-Ex and Ex areas in zones 1 and 2, as well as 21 and 22.

Hazard resistant steel sensor

- The stainless steel sensors with removable terminal chambers can be easily commissioned and maintained.
- High density and chemical resistance.
- Suitable for changing environments and temperature.
- Applicable in zones 1 and 2.

Interface and power supply modules

- Metallic and stainless-steel process and condition monitoring and digital signals.

Planning and construction of system solutions

- Comprehensive modular technology solutions for various applications with flexible networking of the entire system via communication interfaces.

Namur stainless steel sensors

- The inductive sensors with removable terminal chambers are easily commissioned and maintained.
- High density and chemical resistance, Ex approvals, SIL certificate, extended temperature range.
- Binary or analog position feedback of valves.

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**Collect Precisely**

Inductive sensors
- Available in many different designs, sizes, and housing materials
- Inductive and magnetic field sensors
- SIL Certifications and ATEX approvals

Linear position sensors
- Many different types and designs
- Suitable for various conditions for types of applications

Dual sensors
- Range in en encapsulation to hundreds of valves
- Easily mounted on all standard rotary actuators

Capacitive sensors
- Compact design
- Interchangeable input and output signals
- Interference-free operation
- Small, robust, and chemically and mechanically robust

Inductive sensors
- Available in many different designs, sizes, and housing materials
- Inductive and magnetic field sensors
- SIL Certifications and ATEX approvals

**Connect Reliably**

Cables and connectors
- Many different types and designs
- Suitable for various application conditions for types of applications

Flow sensors
- Sensors and transmitters for all types of applications
- Efficient compact design
- Interchangeable input and output signals
- ATEX approval for areas 1 and 2

Electrical sensors
- Compact design
- Interchangeable input and output signals
- Interference-free operation
- Small, robust, and chemically and mechanically robust

Ultrasonic sensors
- Large measuring range
- High-precision measurement and low false measurements
- Use with various media and temperatures
- ATEX approval for areas 1 and 2

**Communicate Effectively**

Remote I/O system excom® for zones 1, 2 and non-Ex area
- HART® and NAMUR signals
- High-speed communication and power supply
- Connection to various control systems
- ATEX approval for area 1

DeviceNet
- FDT technology for easy operation

Remote I/O system excom® for zones 1, 2 and non-Ex area
- Multi-bus network solution
- Connection to various control systems
- Power supply: 24 V at 500 mA
- ATEX approval for area 1

**Automate Efficiently**

Remote I/O system excom® for zones 1, 2 and non-Ex area
- HART® and NAMUR signals
- High-speed communication and power supply
- Connection to various control systems
- ATEX approval for area 1

IEEE 11073
- Multi-bus network solution
- Connection to various control systems
- Power supply: 24 V at 500 mA
- ATEX approval for area 1

**Diagnostic power conditioner system CRC**
- High-quality power supply for sensor and actuator applications
- Redundant 24 V power supply (24 V ± 5%)
- ATEX approval for zones 2 and 22

**Software for Intrinsically Safe Equipment**
- Foundation™ fieldbus/Profibus-PA
- Multibarriers, junction boxes in IP67 and IP20, ready-made cables and many more...
- Rugged and space-saving designs for harsh environments
- Suitable for FISCO applications

**Customer Specific System Solutions**
- Customized solutions, from products, production and programming of cabinets up to commissioning.

**Interface devices**
- For separation, supply, conversion and protection tasks
- In modular housing for DIN rail, as cartridge or as plane solution, or as cartridge in IP67 housing
- Many different input and output signals
- ATEX approval for areas 1 and 2

**Customer Orders**
- ATEX approval for zones 2 and 22
- Connection to various control systems
- The high-performance power source for use in hazardous area