

SENSOR SYSTEMS MADE FOR CHALLENGING ENVIRONMENTS

THE CUSTOMER

Major chemical industry production site in Lower Valais region for the development and production of different chemicals, such as adhesives for the automotive industry, herbicides for the agricultural industry or visual brightening agents.

THE INITIAL SITUATION

Numerous valves are in use across the major chemical plant and their positions must be monitored consistently. Flaps and ball valves are controlled by actuators whose positions are recorded by inductive dual sensors. This information is then passed on to the control system. Increasing levels of regulation within the industry (safety class, ex certificates) and the plant's special characteristics demand a sensor system that meets all requirements.

PROJECT REQUIREMENTS

- ▶ Dual sensors for rotary actuators certified for safety class 2
- ▶ Suitable for requirements within the chemical industry (including ATEX)
- ▶ Electromagnetic compatibility (EMC)
- ▶ Hardwearing design
- ▶ Easy to service



Monitoring of valve positions in chemical production with Turck inductive dual sensors.

BACHOFEN'S SOLUTION

Bachofen was not only highly familiar with the required standards, but also listened to the details of the customer's demands. Consequently, it was possible to supply a set of matching sensors for obligatory tests within the shortest possible time. After the testing phase, it was clear that the Turck inductive dual sensor, which Bachofen supplies, not only satisfies all requirements perfectly, but also makes an impression with the straightforward design of its wiring, and accessories compatible with safety class 2,

to facilitate installation. This allows the customer to benefit from cost savings as a result of fewer variants (one design for different drive sizes) and in terms of equipment and maintenance costs.

Project technology partner



INDUSTRIELLE AUTOMATION