#STAHL4AUTOMATION
MORE THAN YOU EXPECT
The business unit R. STAHL Automation combines the competencies and know-how of the product areas “Interface and Solutions” and “HMI and Camera Systems” to manage the fast-changing world and challenges of automation with high-quality products and solutions.

Our experts from around the world actively participate in technology task forces, e.g. “Ethernet APL project”, and are represented in all major committees on international explosion protection like ATEX, IEC, NEC, and many more.

The Challenges of Automation

- Digitalisation, globalisation and ever shorter innovation cycles.
- IT meets process automation.
- „Internet of Things“, Industry 4.0. and modularisation in the manufacturing process.

YOUR EXPERT FOR HAZARDOUS-AREA SOLUTIONS

- From explosion-proof components to customised solutions – all „Made by R. STAHL“.
- Global know-how in explosion protection and multifaceted expertise in automation solutions.
- Many years of project experience, also in extreme ambient conditions.
- Production is certified according to ATEX and IECEx – as well as certified ETL Panel Shop (NEC, CEC).
As a leading supplier of automation technology for hazardous areas for almost 50 years, R. STAHL has been providing state-of-the-art components and complete solutions, perfectly matched to the varied requirements of different industries. R. STAHL is committed to providing the highest level of safety and quality “Made in Germany” in explosion protection. Be it the integration in modern Ethernet networks, the integration of diagnostics and device data in plant asset management systems, wireless communication or the development of visualisation concepts – we meet any challenge!

**LIFE SCIENCES**

Our products and solutions meet the hygiene directives according to GMP. The implementation of requirements to the FDA 21 CFR Part 11 complement our full suite of services.

**FINE & SPECIALITY CHEMICALS**

R. STAHL’s versatile products perfectly integrate in the modern modular Industry 4.0 automation concepts.

**OIL & GAS UPSTREAM**

Our automation products and solutions combine robustness with state-of-the-art technology.

**OIL & GAS MIDSTREAM AND DOWNSTREAM**

Our high-quality, durable products guarantee a high degree of availability and ensure that operating costs stay low.

**MARITIME APPLICATIONS WITH LNG & FPSO**

International ship approvals and our long-standing experience ensure perfectly tuned system solutions that are used on LNG tankers and FPSO vessels around the world.

**BASIC CHEMICALS & PLASTICS INDUSTRY**

The comprehensive diagnostics functions integrated in R. STAHL products enable predictive maintenance and failure-free operation.

**MACHINE BUILDING & PACKAGE UNITS**

Our internationally certified components enable us to develop solutions tailored to meet the specific requirements of the machinery.

**FOOD & BEVERAGE INDUSTRY**

R. STAHL products are ideally suited for this type of industry; they are certified for use in dust and gas explosion hazard areas and EHEDG-compliant.
**INTERFACE PRODUCTS**

In process automation, it is vital to ensure safety and the protection of employees in hazardous areas. The ISbus offers a safe and reliable communication protocol to prevent accidents or hazardous situations.

- **2-wire safety barriers for custom applications in hazardous areas**
- **Smart isolators with galvanic isolation and 7” / 10” / 15” / 21.5” / 24” displays.**

**PROFIBUS DP and Modbus RTU** deployed in 4 device platforms for different ambient conditions.

Our portfolio includes high-quality compact, Full HD, ONVIF S, WDR, DEFOG, PoE functions. Peripheral devices, such as barcode scanners or network installation, using copper or fiber optic cables. Easy replacement of the device.

Ethernet switches for 'op is' optical data transmission, they also adapt to existing CCTV systems. Wireless using WiFi access points, WirelessHART technology for effective installation.

**Additional hardware components can be added, thin clients with the “industrial grade” firmware.**

All devices are certified to international explosion protection standards: the predominant part of them meets the requirements relating to functional safety or atmospheres standards; the predominant type of ignition protection to prevent explosion in hazardous areas. In process automation, intrinsic safety is the standard: it involves the precautions to prevent the occurrence of an explosion in hazardous areas Zone 1, 2, and Division 1, 2.

- **All-in-one solution:**
- **IS1+ remote I/O with Ethernet and Modbus TCP.**
- **All-in-one solution:**
- **Tried and tested, cost-saving solutions for tomorrow’s production environments:**

R. STahl offers today solutions that are ready for tomorrow’s production environments:

- **Network installation using copper or fiber optic cables.**
- **Ethernet or WiFi.**
- **FHD, PTZ, and dome cameras, available in analogue or IP versions.**
- **All-round, AFZ-, PTZ-, dome, and thermal imaging cameras.**

An effective surveillance system needs more than just cameras. Only complete solutions which are perfectly matched to individual requirements can guarantee reliable real-time surveillance and a maximum of security. An effective surveillance system needs more than just cameras. Only complete solutions which are perfectly matched to individual requirements can guarantee reliable real-time surveillance and a maximum of security.

**SYSTEMS AND SOLUTIONS**

**CCTV systems.**

- **OPEN CCTV SYSTEM**

We are your competent partner for reliable process automation and security surveillance in hazardous and safe industrial environments. We ensure you can rely on safe, secure technology and services tailored to your needs. Whether for today’s or tomorrow’s production environments. Contact us when you’re at a stage where you want to buy: dood, engineers or project teams across the world support you every step of the way in selecting the right technology.

**PRODUCTS SYSTEM**

- **System solution wireless, Ethernet and PoE.**
- **ISbus can provide WiFi access points of your choice in hazardous areas.
- The system solution wireless system, may offer space for expansion.
- A simple installation of Ethernet and power supply.
- Easy implementation of the device.**