The Power of Collaboration
Working for You
PartnerNetwork™ Solutions from Rockwell Automation

PEPPERL+FUCHS

Trusted Protection
Providing hazardous location protection products for Rockwell Automation Process Solutions

- Intrinsic Safety
- Mobile Communication and Safety
- Purge and Pressurization
- WirelessHART
- Fieldbus
- Power Supplies
Helping Protect Your Process

Incendiary ideas that don’t ignite! Pepperl+Fuchs is a leading developer and manufacturer of hazardous location protection products and components for the global process automation market. We are the global market leaders of industrial safety equipment for intrinsic safety and explosion protection technology. Named as one of the top 50 automation companies, we are hazardous location protection specialists. Our innovative and market-leading products include intrinsic safety, fieldbus, Bebco EPS® purge and pressurization, WirelessHART interfacing, signal conditioning, and intrinsically safe mobile devices.

Our products are a perfect complement to Rockwell Automation process solutions

For over 70 years, our continuous innovation, high-quality products, and steady growth have made Pepperl+Fuchs the preferred partner in the oil & gas, chemical, and pharmaceutical industries. And they are the reasons why Rockwell Automation and Pepperl+Fuchs have aligned to offer the best products for process control and hazardous location protection needs. We are more than just a supplier. From the initial start-up and commissioning to support after installation, we provide global professional service and support and unmatched performance.

Outperforming the toughest conditions

Why choose Pepperl+Fuchs? When it comes to hazardous areas, operational safety and performance are nonnegotiable! We offer:

- Leading-edge technologies for advanced process control
- Global Encompass Partner with sales offices in 33 countries
- Safety and unmatched performance

At the heart of our business

Whether you are refining crude oil or documenting batch processes for the FDA, our products are leading the way to increased safety and excellent reliability for operations in hazardous areas.

- ecom – Intrinsically safe mobile devices
- Bebco EPS – Purge and pressurization systems
- WirelessHART – Gateways, adapters, temperature converters, and modems
- HART multiplexer solutions
- FieldConnex – Fieldbus connectivity

“Pepperl+Fuchs and Rockwell Automation have had a long and successful global partnership. From interface products to purge and pressurization systems to our latest mobility solutions, our technologies perfectly complement Rockwell’s process industry offerings.”

Jim Bolin, Executive Vice President Americas, Pepperl+Fuchs
Teamwork Powered by Steam

The Problem
Steam traps on a tire press at a major manufacturer’s development center have to be inspected regularly to ensure safety and efficiency. Until now, every steam trap in the facility was manually inspected on a daily basis, which required extensive staff time and accuracy. Traps can also be difficult to access, with some requiring a confined-space permit for inspection. For all of these reasons, plant operators were looking for an efficient, cost-effective solution to provide more frequent and accurate steam trap monitoring.

The Solution
A wireless Armstrong International steam trap monitor was installed alongside every trap in the tire press. Clamped onto the pipe directly ahead of a trap, monitors communicate status information via a Pepperl+Fuchs WirelessHART gateway to the ControlLogix® control system. Powered by standard lithium batteries, the wireless monitors give operators nearly real-time access to steam trap condition, current temperature, the temperature setting, and the monitors’ estimated battery life. Users have easy access to this information via the Pepperl+Fuchs web interface and ControlLogix HMI.

The WirelessHART gateway supports up to 250 network participants and provides an EtherNet/IP™ interface for connectivity to the control system. A Rockwell Automation Studio 5000® Logic Designer Add-On profile provides premier integration with Logix, reducing the time required for system commissioning and maintenance.

To further simplify setup and operation, a Pepperl+Fuchs Viator® Bluetooth® HART interface and ecom tablet were used for device configuration and troubleshooting. The interface attaches to the monitors’ terminals to establish wireless connectivity between the monitor and the tablet. Operators then used the tablet to create custom device descriptors for each monitor as they installed the lithium batteries. This gave them the mobility to make adjustments while walking around the facility, saving trips between the main control computer and monitors.

The Future
From initial setup to everyday operation, the combined solution of Armstrong steam trap monitors and Pepperl+Fuchs WirelessHART gateway provides simplicity and ease of use. And it will not take long for the new solution to start paying for itself. After a system goes online, engineers can even see if steam traps send a “blow-thru” signal. By replacing any faulty traps, operators will be able to start saving costs right away while preventing more serious problems later on.
For over 70 years, Pepperl+Fuchs has provided new concepts for the world of process automation. Our company sets the standard in quality and innovative technology. We develop, produce, and distribute electronic interface modules, HMI, and hazardous location protection equipment on a global scale to meet the demanding needs of industry. Our worldwide presence, combined with flexible operating systems in our production and service organizations, enable us to offer complete solutions, wherever and whenever you need us. We are the recognized experts in our technologies—Pepperl+Fuchs has earned a strong reputation by supplying the world’s largest process industry companies with the broadest line of proven components for a diverse range of applications.

For more information, contact: www.pepperl-fuchs.com

Worldwide/German Headquarters
Pepperl+Fuchs GmbH
Mannheim · Germany
Tel. +49 621 776 2222
E-Mail: pa-info@de.pepperl-fuchs.com

Asia Pacific Headquarters
Pepperl+Fuchs PTE Ltd.
Singapore
Company Registration No. 199003130E
Tel. +65 6779 9091
E-Mail: pa-info@sg.pepperl-fuchs.com

North/Central America Headquarters
Pepperl+Fuchs Inc.
Twinsburg · Ohio · USA
Tel. +1 330 486 0002
E-Mail: pa-info@us.pepperl-fuchs.com

www.rockwellautomation.com

Power, Control and Information Solutions Headquarters
Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444
Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleerlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640
Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846

Trademark Copy: The trademark disclaimer must contain any trademarks of Rockwell Automation Inc. that were used/discussed in the piece.