

# Pepperl+Fuchs

Schneider Electric / Collaborative  
Automation Partner Program

## PEPPERL+FUCHS

- @ A pioneer and innovator in electrical explosion protection
- @ Deep expertise with a strong offer for hazardous area environments
- @ Broad portfolio for Process Automation applications

## Introducing Pepperl+Fuchs

Founded in 1945 as a radio repair shop, today Pepperl+Fuchs is one of the world's leading providers of explosion protection technology with sales of 700 Million US Dollars and more than 5600 employees world-wide in 2014.

Innovation and close attention to customer requirements have always been hallmarks of this family-run enterprise. And at the heart of what we do: making customer applications as simple, efficient and secure as possible.

Process Automation technologies for use in hazardous areas are available in many different applications for all types of explosion protection systems. Design-to-delivery system solutions provide complete, user-specific packages.

Pepperl+Fuchs has led the way in explosion protection technology development with innovations such as DART, and today counts some of the world's most renowned companies among its partners.

Developments in industrial sensors are driven by market-specific requirements. From the inductive and capacitive to the photoelectric, Pepperl+Fuchs produces sensors across all types of functionalities.

## Process Automation Portfolio

Process Automation components:

- Interface Technology
- Remote I/O Systems
- Fieldbus Infrastructure Applications
- Level Measurement
- Special purpose Industrial Monitors and HMI solutions
- HART and Wireless HART Solutions
- Explosion Protection Equipment
- Purge and Pressurization Solutions

## Contacts

**Karsten Fischer** +1 (713) 849-1187  
Director of Global Account Management  
kfischer@us.pepperl-fuchs.com

**Robert (Bob) Spang** +1 (330) 486-0078  
Global Account Manager  
bspang@us.pepperl-fuchs.com

**Pepperl + Fuchs Headquarters** —  
Lilienthalstraße 200- 68307 Mannheim — Germany



## PEPPERL+FUCHS and CAPP

As partners, Schneider Electric and PEPPERL+FUCHS can provide customers with complete automation solutions for hazardous area applications. In this collaboration, the PEPPERL+FUCHS GROUP is able to act as the main vendor for interfaces such as galvanic isolators or signal conditioners, HART Multiplexer solutions, FOUNDATION Fieldbus, PROFIBUS, purge and HMI solutions for Schneider Electric's PlantStruxure process automation architecture. PEPPERL+FUCHS GROUP offers a seamless and complete portfolio to serve all areas of the Industry business including factory automation and process automation installations.

## Unique value proposition

Pepperl+Fuchs' worldwide network ensures that we provide the best possible service and support. Our world headquarters in Mannheim services Europe through a network of more than 40 affiliates. Asia is handled by our office in Singapore, with more than 1,000 employees in manufacturing, service, and sales. And our North American headquarters in Twinsburg, Ohio, is responsible for a comprehensive network of offices and sales partners in the USA, Canada, and Mexico. No matter where you might be, we are always nearby. And we speak your language – in more than 140 countries the world over.

## Areas of Expertise

- Intrinsically Safe applications based on ATEX, IECEx, FM, CSA, UL certifications
- Hazardous Area Cabinet Solutions
- Marine Certs for a wide range of products
- Remote IO and WirelessHART solutions
- Foundation Fieldbus and PROFIBUS solutions
- Purged Solutions

## Market served

Primary sectors of activity  Secondary sectors of activity

Business Sector	Food and Beverage	Water	Oil & Gas	Mining Minerals	Electrical Energy	Hoisting	Lift	Packaging	HVAC & R	Conveying	Textile
End User	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>						
OEM						<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

## Authorised CAPP Products

Authorised CAPP Products	Product Description	Distinguishing Characteristics
FieldConnex for PROFIBUS PA	FieldConnex® by Pepperl+Fuchs offers a transparent connection between PROFIBUS DP and PROFIBUS PA allowing for the simplest form of device integration for any PROFIBUS PA instrument.	Yes
WirelessHART	The WirelessHART solution consists of components such as the Gateway, Adapter and Temperature Converter.	-----
PSCAN-D-1D-D2-20-10-N	Industrial Barcode Reader using the patented Puzzle Solve™ technology, supporting all 1D standard barcode families. Certified for use in hazardous locations Class I/Div 2 and Class II/Div 2 areas.	-----
PSCAN-M* and -B*	Wireless Barcode Reader using the patented Puzzle Solve™ technology, supporting all 1D standard barcode families.	-----
PSCAN-D-1*-F2-*	Barcode Reader using the patented Puzzle Solve™ technology, supporting all 1D standard barcode families.	-----
GMP Workstations - ThinClient (PC219 or RM219)	VisuNet GMP, PC and Remote Monitor (Thin Client) for installation in General Purpose e.g. Life Science applications.	General Purpose, Non-Ex. Ethernet (Tx) and RS485 communication.PC or Remote Monitor (Thin Client).
Ruggedized Workstation - Div. 2 (VisuNet XT 9700 Series PC & RM)	VisuNet XT, PC and Remote Monitor (Thin Client) for installation under Xtreme ambient conditions in zone 2 e.g. Oil & Gas applications.	IECEX/ATEX II 3G, CI/D2 ABCD, Class I/Zone 2, T4 rated. Ethernet (Fx and Tx) and RS485 communication.PC or Remote Monitor (Thin Client).
HART-Multiplexer K-System (KFD2-HMM-16)	HART Interface Solution modules (KFD2-HMM16 & KFD0-HMS-16) with the form factor of the well-known K-System Intrinsic Safety Barriers. Tested and approved for Foxboro DCS System and Triconex Tricon TMR safety system with reference to Technical Application Note 48 (TAN48).	ATEX, IECEX, UL and FM rated. Certified up to SIL3 acc. to IEC 61508 where applicable.
HART-Multiplexer H-System (HID MUX2700)	HART Interface Solution module (HID MUX 2700) with the form factor of the well-known H-System on termination board technology. Tested and approved for Foxboro DCS System and Triconex Tricon TMR safety system with reference to Technical Application Note 48 (TAN48).	ATEX, IECEX, UL and FM rated. Certified up to SIL3 acc. to IEC 61508 where applicable.
Isolated Barriers K-System (KF*** and KC***)	Customized Intrinsically Safe Termination Assembly (ISTA) for a wide range of galvanic isolators. Tested and approved for Triconex Tricon TMR safety system with reference to Technical Application Note 48 (TAN48) and for Foxboro DCS System.	ATEX, IECEX, UL and FM rated. Certified up to SIL3 acc. to IEC 61508 where applicable.
Isolated Barriers H-System (HID2*** and HIC2***)	Customized H-System Terminations Boards for a wide range of galvanic isolators. Tested and approved for Triconex Tricon TMR safety system with reference to Technical Application Note 48 (TAN48) and for Foxboro DCS System.	ATEX, IECEX, UL and FM rated. Certified up to SIL3 acc. to IEC 61508 where applicable.
Non Isolated TB Solution - HID MUX2700	Customized Non-IS HART-Interface Termination Board (HiSHPTB-... & HPTB-...) designed for HART Multiplexer Solution HID MUX 2700. Tested and approved for Triconex Tricon TMR safety system with reference to Technical Application Note 48 (TAN48) and for Foxboro DCS system.	ATEX, IECEX, UL and FM rated. Certified up to SIL3 acc. to IEC 61508 where applicable.
Non Isolated TB Solution - KFD2-HMM-16	Customized Non-IS HART-Interface Termination Board (Fi-PFH-TR-...) designed for HART Multiplexer Solution KFD2-HMM16 & KFD0-HMS-16. Tested and approved for Triconex Tricon TMR safety system with reference to Technical Application Note 48 (TAN48).	ATEX certified for Zone 2. Application in connection with Ex-areas acc. to II 3G Ex nA IIC T4 Gc.
FieldConnex® for FOUNDATION Fieldbus H1	FieldConnex® by Pepperl+Fuchs for intrinsically safe Foundation Fieldbus H1 infrastructures including power hubs, power supplies, junction boxes and accessories for process automation installation including the respective hazardous area protection. Tested and approved by Foxboro Interoperability lab.	Installation in Class I, Division 2, Groups A, B, C, D, T4 / Class I, Zone 2, AEx/Ex nA IIC T4
ISCM8100A	The Intrinsically Safe I/O Subsystem provides integration between the Pepperl+Fuchs™ (P+F) modular intrinsically safe Remote I/O systems and the I/A Series® system. The Intrinsically Safe Communication Module (ISCM / ISCM8100A) enables I/A Series control processors to view the P+F I/O modules as equivalent 200 Series Fieldbus Modules (FBMs).	The stations are mounted in hazardous areas Zone 2 or Class I, Div. 2 or Zone 22 or in the safe area and the I/O modules support Ex i (intrinsic safety) and safe area field connections.
LB Remote IO	LB Remote I/O stations forms a modular signal conditioning system to interface signals from the field with a control system in the safe area. Standard busses (PROFIBUS, FOUNDATION Fieldbus, Modbus, Ethernet ...), Optional redundancy for bus and power supply, Supports the FDT concept, FATs and GAMP4 FATs optional.	The stations are mounted in hazardous areas Zone 2 or Class I, Div. 2 or Zone 22 or in the safe area and the I/O modules support Ex i (intrinsic safety) and safe area field connections.
ISCM8200A	The Intrinsically Safe I/O Subsystem provides integration between the Pepperl+Fuchs™ (P+F) modular intrinsically safe Remote I/O systems and the I/A Series® system. The Intrinsically Safe Communication Module (ISCM / ISCM8200A) enables I/A Series control processors to view the P+F I/O modules as equivalent 200 Series Fieldbus Modules (FBMs).	The stations are mounted in hazardous areas Zone 1 or Zone 21 and support I/O modules for Ex i (intrinsic safety) and Ex e field connections.
FB Remote IO Solution for Zone 1/21.	FB Remote I/O stations forms a modular signal conditioning system to interface signals from the field with a control system in the safe area. Standard busses (PROFIBUS, FOUNDATION Fieldbus, Modbus, Ethernet ...), Optional redundancy for bus and power supply, Supports the FDT concept, FATs and GAMP4 FATs optional.	The stations are mounted in hazardous areas Zone 1 or Zone 21 and support I/O modules for Ex i (intrinsic safety) and Ex e field connections.

For more detailed product information, please consult: [www.pepperl-fuchs.com](http://www.pepperl-fuchs.com)

[schneider-electric.com](http://schneider-electric.com)

Life Is On

**Schneider**  
Electric