



# The Pepperl+Fuchs Corporate Group

Industrial Sensors and  
Explosion Protection

Your automation, our passion.

 **PEPPERL+FUCHS**

# Pepperl+Fuchs at a Glance

One Company | Unlimited Solutions



**5,900**

**EMPLOYEES**

around the world  
to assist with all  
your needs

**6**

**MANUFACTURING  
LOCATIONS**

**Unlimited**  
**POSSIBLE SOLUTIONS**

offered by our experts around the world

**80**

**LOCAL OFFICES**

on six continents

**50,000**

**PRODUCTS**

available to solve  
all your application  
needs

**3**

**HEADQUARTERS**

in Europe,  
the USA, and Asia

**650**

**MILLION €**

Revenue

**2**

**FOUNDER  
FAMILIES**

privately own 100 %  
of the company

**1**

**COMPANY**

that solves every  
challenge

**75**

**YEARS**

since the company  
was founded in  
Mannheim, Germany

**600+**

**ENGINEERS**

developing  
tomorrow's solutions  
today



# One Company

Industrial Sensors | Explosion Protection



The Factory Automation division of Pepperl+Fuchs is a technology leader in industrial sensor technology, paving the way for customers to IIoT applications with Sensorik4.0®.

In explosion protection, the core competence of the Process Automation division, Pepperl+Fuchs is a recognized pioneer and innovation driver, offering a complete portfolio for every application.

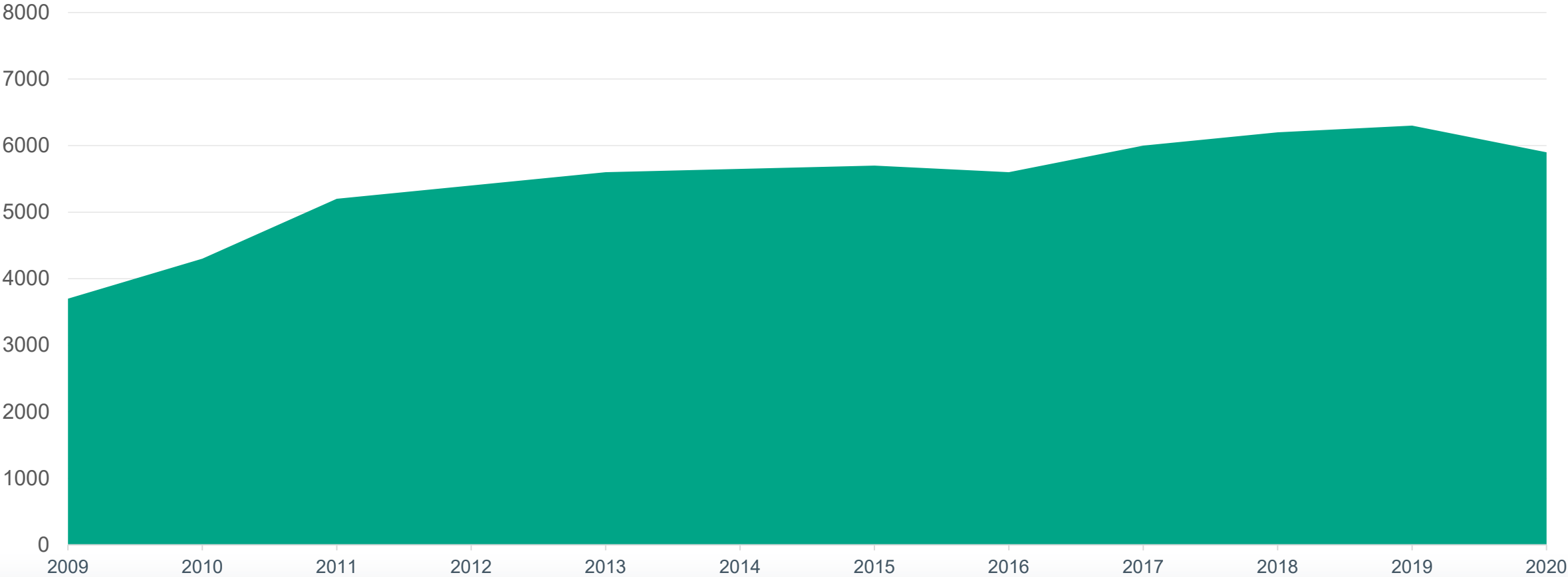
# 5,900 Employees Worldwide



Behind every success are people with ideas. Our employees guarantee that we will continue to develop and bring innovative products to the market.

## Employees

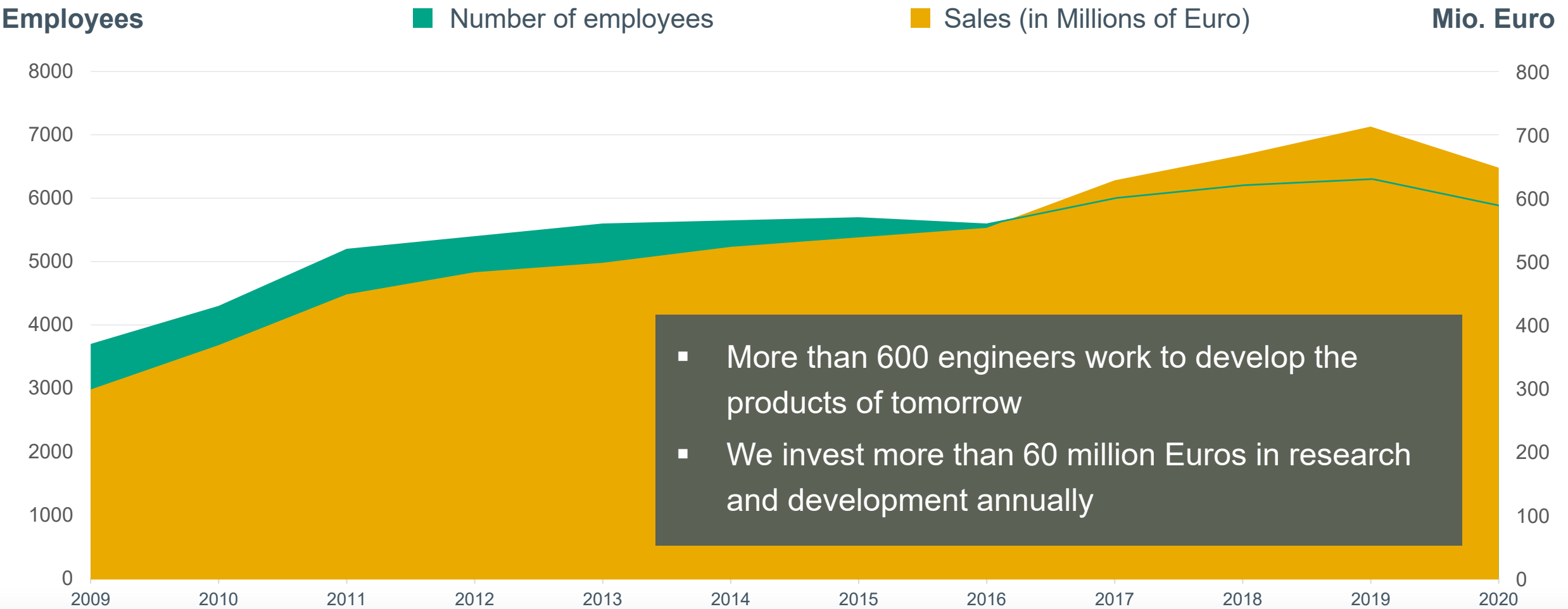
■ Number of employees



# Annual Sales of 650 Million Euros



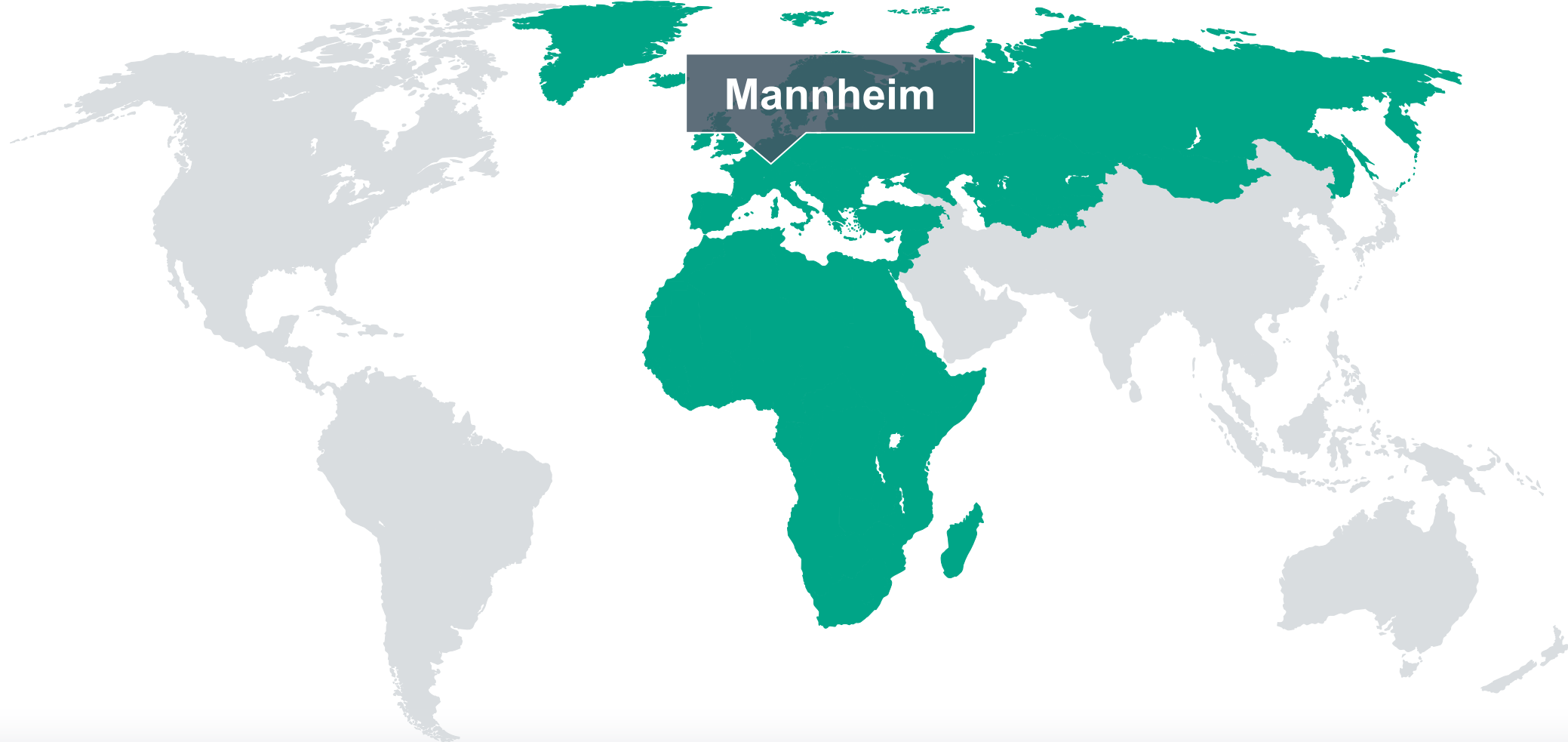
Pepperl+Fuchs always remains on track, even under difficult economic circumstances – this is proven by our stable sales figures.



# Mannheim 1945



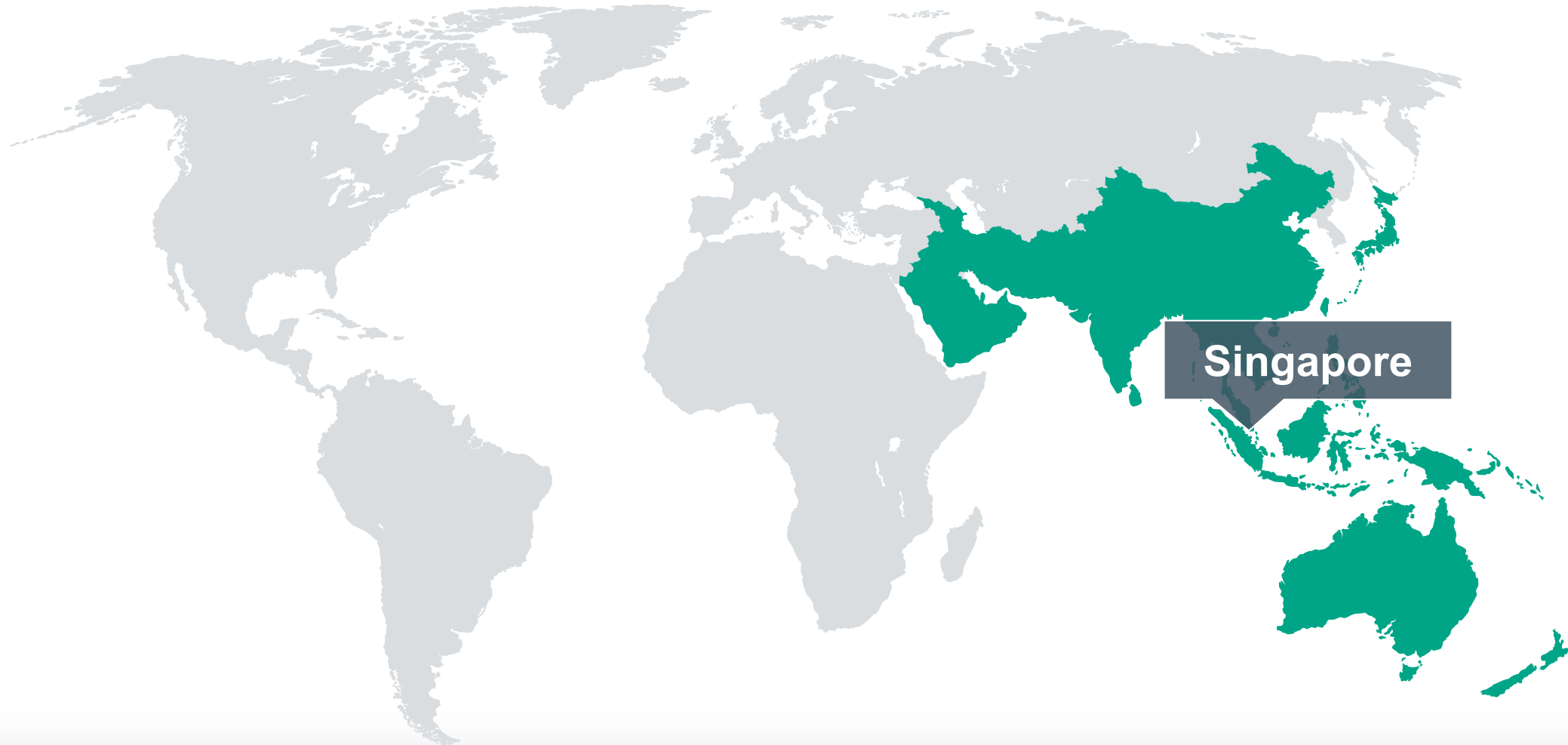
Walter Pepperl and Ludwig Fuchs establish a radio repair workshop in Mannheim.  
The company moves to a larger building in 1970, setting the course for future growth.



# Singapore 1979



Long before globalization, Pepperl+Fuchs establishes its first subsidiary outside of Europe with a production facility in Singapore in 1979.



# Twinsburg 1983



Pepperl+Fuchs makes the leap across the Atlantic, establishing a North American distribution center in Twinsburg, Ohio, in 1983. Today, over 200 employees work there.

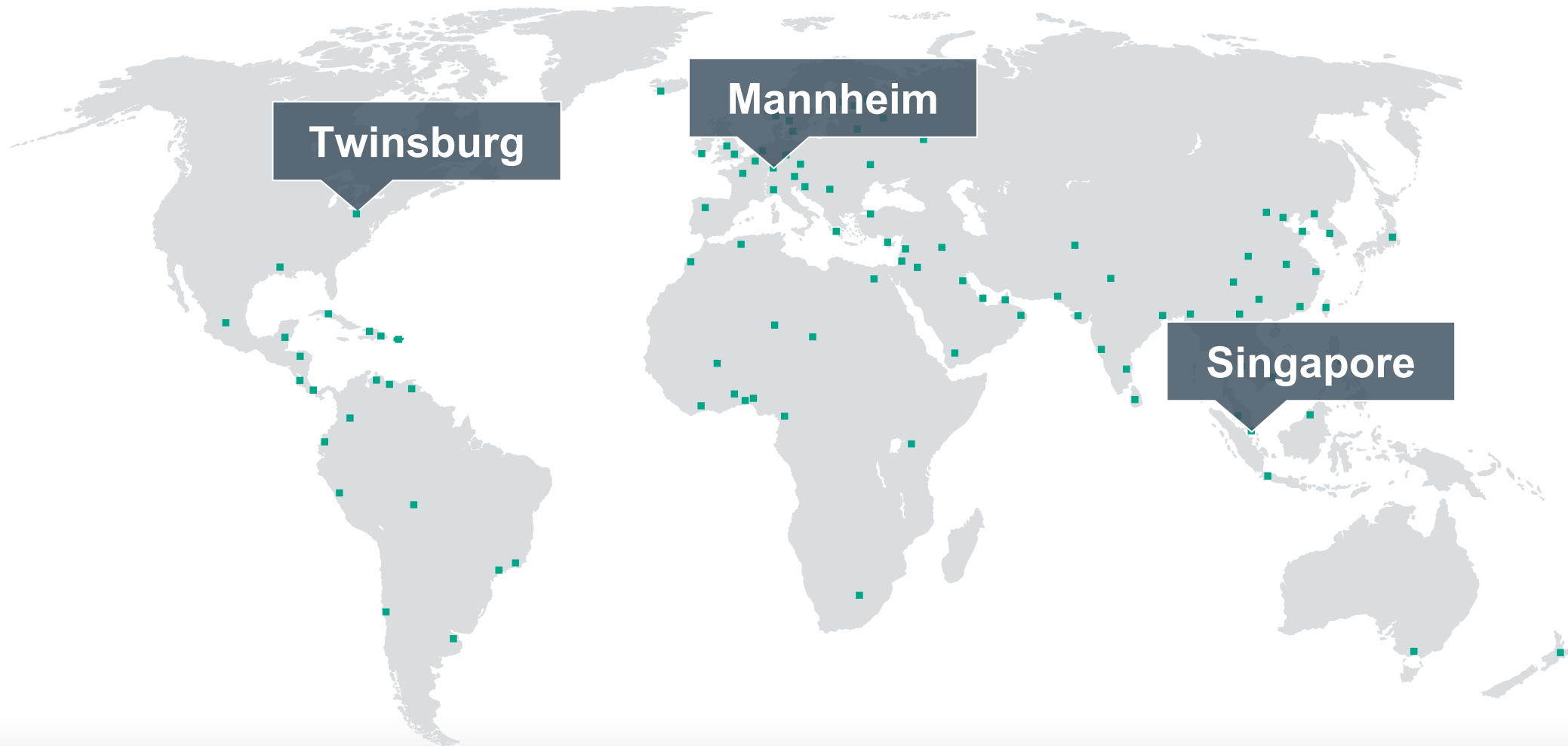




# Over 80 Locations Worldwide



With locations in over 80 major cities on six continents, we're there when you need us.



# Manufacturing Locations



Our production locations in Germany, Singapore, Hungary, Indonesia, Vietnam and the Czech Republic are ISO 9001 certified.



GERMANY



SINGAPORE



HUNGARY



INDONESIA



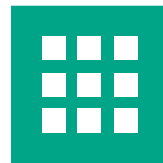
VIETNAM



CZECH REPUBLIC



**Large unit  
volumes**



**Standardized  
products**



**Economies  
of Scale**

# Competence Centers

Focused competences in five locations



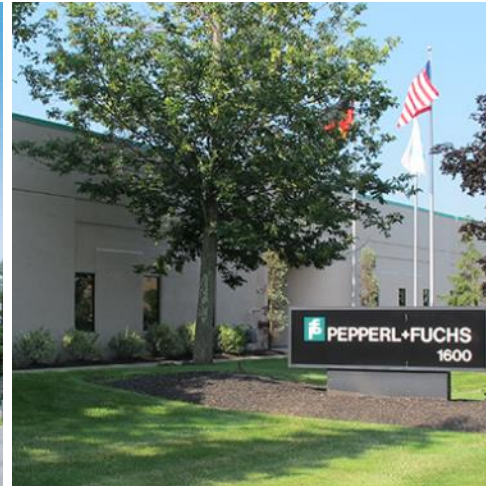
MANNHEIM

- Headquarters of Pepperl+Fuchs Group
- Research and development HQ
- More than 1,000 employees



BERLIN

- Photoelectric sensor competence center
- More than 200 employees



TWINSBURG

- Purge and pressurization systems competence center
- More than 200 employees



ASSAMSTADT

- Mobile computing and communication competence center
- More than 200 employees



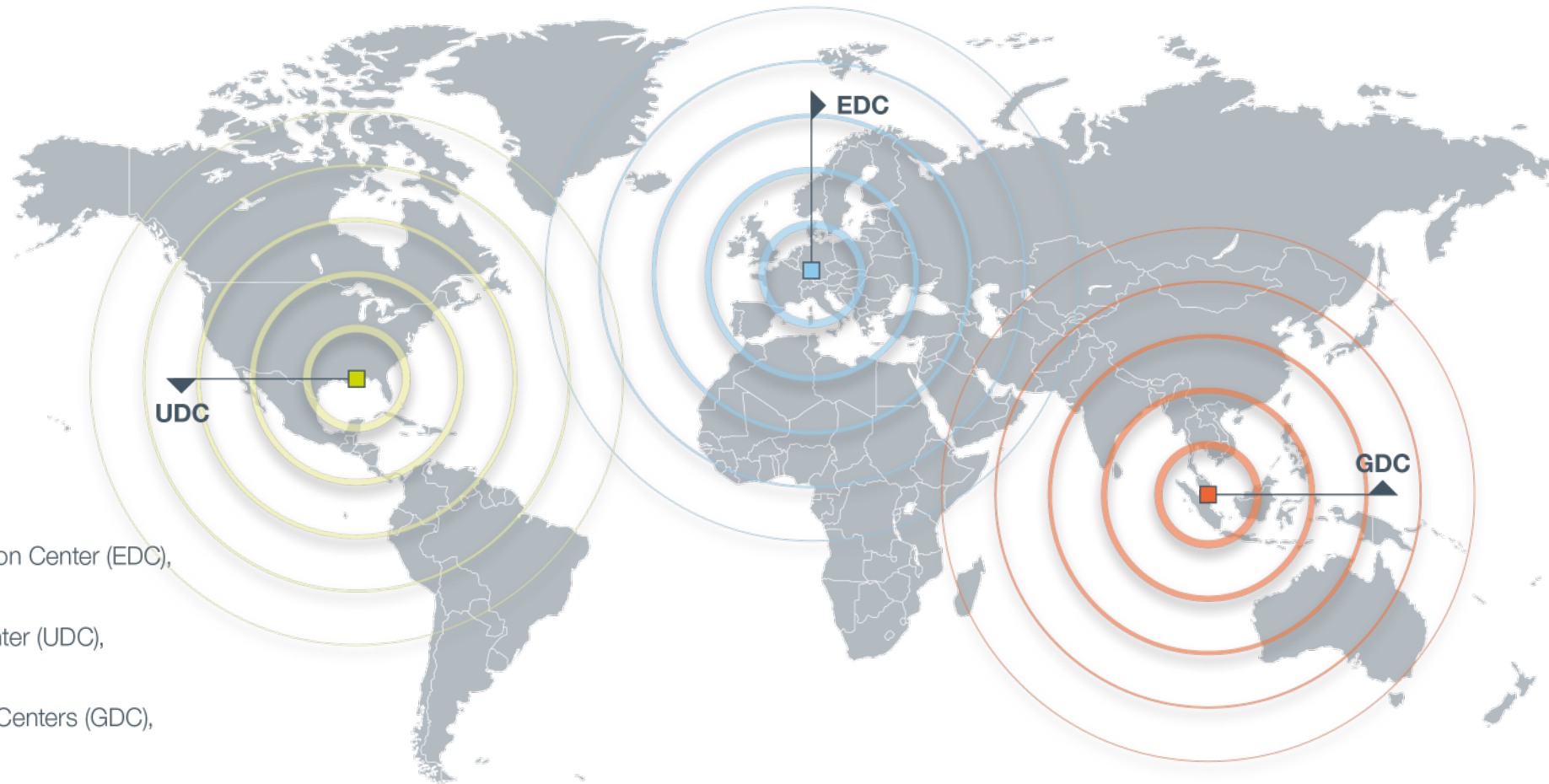
NEUHAUSEN OB ECK

- Rotary encoder competence center
- More than 60 employees

# Pepperl+Fuchs Logistics



Ordered and delivered without delay. Around the clock, we deliver to every country in Europe within two days from our state-of-the-art distribution center in Mannheim.



- European Distribution Center (EDC), Mannheim
- US Distribution Center (UDC), Houston
- Global Distribution Centers (GDC), Singapore



# European Distribution Center



Automated storage and retrieval system (ASRS) in Mannheim (in operation since 2012)



- Footprint: 4,300 m<sup>2</sup>
- Tray storage locations: 32,000
- Picks per day: 5,000
- Parcels/pallets per day: 1,500



# US Distribution Center



Automated storage and retrieval system (ASRS) in Houston (in operation since 2017)



- Footprint: 2,800 m<sup>2</sup>
- Tray storage locations: 18,500
- Picks per day: 1,700
- Parcels/pallets per day: 500

# Global Distribution Center



Automated storage and retrieval system (ASRS) in Singapore (in operation since 2016)



- Footprint: 6,200 m<sup>2</sup>
- Tray storage locations: 60,000
- Picks per day: 12,000
- Parcels/pallets per day: 250

# The Pepperl+Fuchs Group

A company with solutions for every demand in automation technology






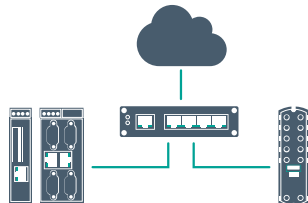
**VMT**  
Pepperl+Fuchs



Vision Technology Solutions



**CONTROL**  
Pepperl+Fuchs



IoT Infrastructure



**ESPACE 6D**  
Pepperl+Fuchs



3-D Scanning Technology



**NEOCEPTION**  
Pepperl+Fuchs



Industry 4.0 Solutions



**ecom**  
A Pepperl+Fuchs Brand



Mobile Solutions



# Standout Ideas

## Awards



At Pepperl+Fuchs, exceptional innovative strength is transformed into award-winning products and solutions that will give you a competitive edge.

# Industrial Sensors

Factory Automation Division



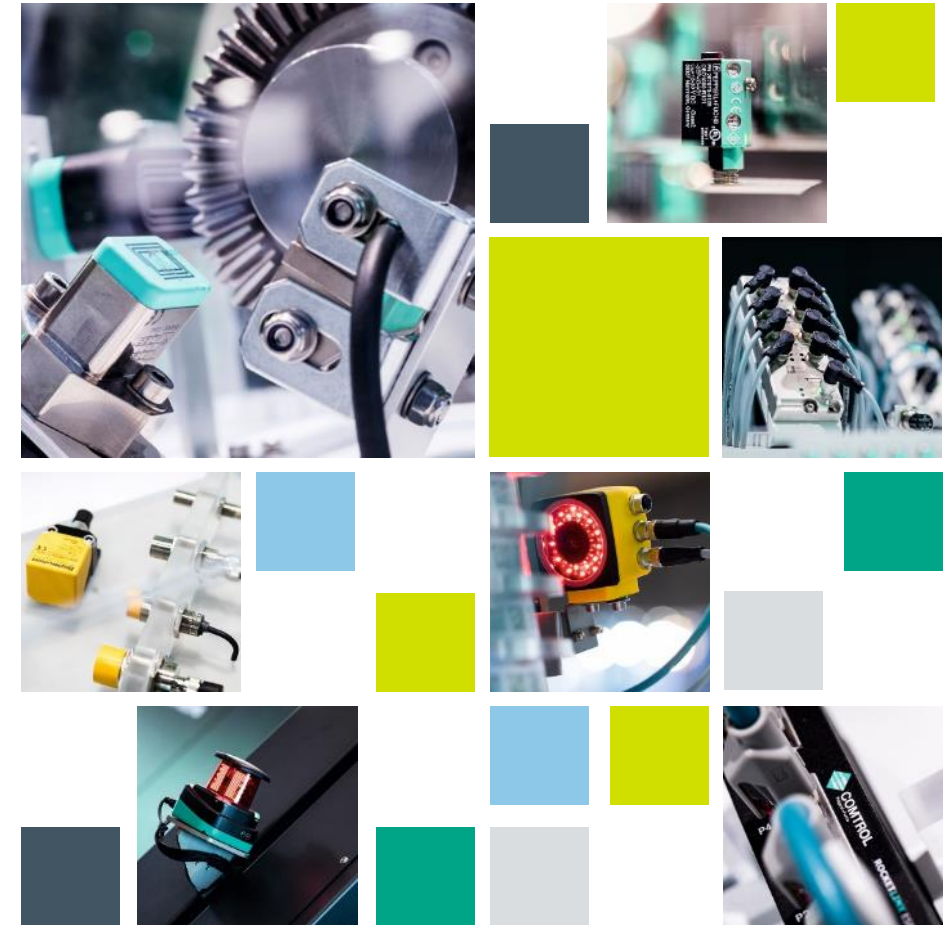
The Factory Automation division of Pepperl+Fuchs is a technology leader in industrial sensor technology, paving the way for customers to IIoT applications with Sensorik4.0®.



# Your Partner for Industrial Automation

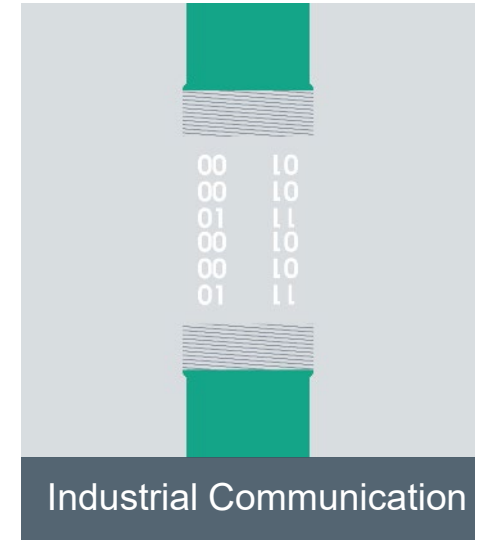
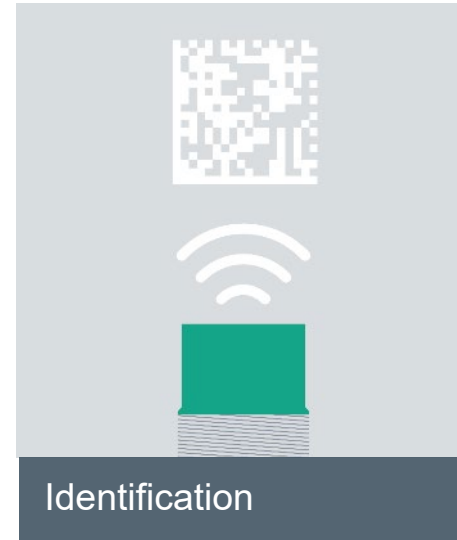
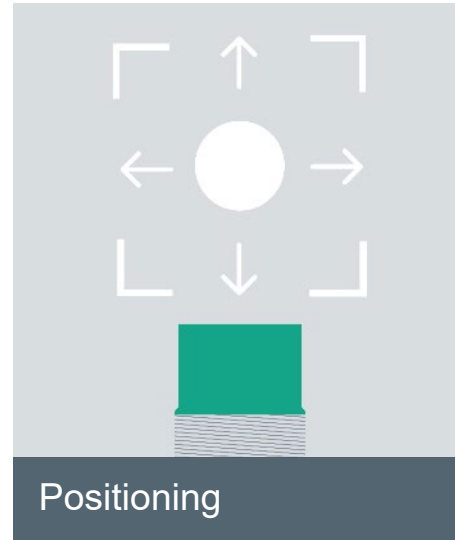
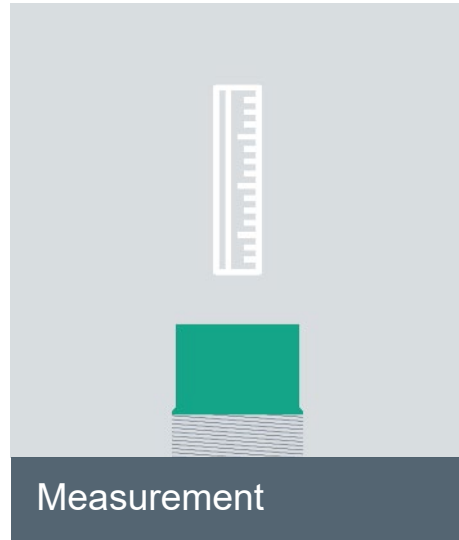
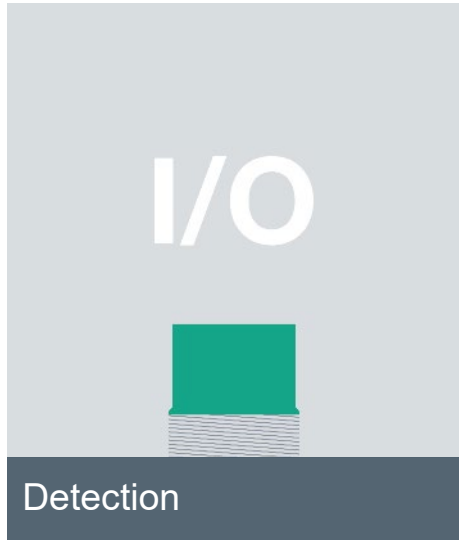


- A global leader in industrial sensor technology, with a comprehensive portfolio of 35,000 products
- Decades of experience across all industries
- Our experts develop individual solutions, tailor-made to your unique application



# Applications

Factory Automation Division



Automation is driven by these basic applications, solved by our highly diversified portfolio – sensors that perfectly meet your requirements.

# Technology Range

## Factory Automation Division



Proximity Sensors



Photoelectric Sensors



Vision Sensors



Ultrasonic Sensors



Inclination Sensors



Rotary Encoders



Positioning Systems



RFID Systems



Industrial Communication



Connectivity



# Application Areas and Target Industries



## Factory Automation Division



Automotive



Robotics and Assembly



Intralogistics and MH



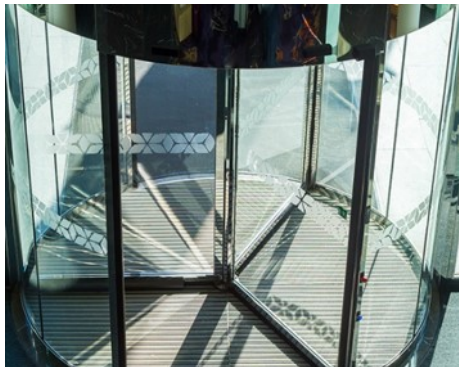
Print and Paper



Packaging



Electronics



Entrance Automation



Mobile Equipment



Process Equipment

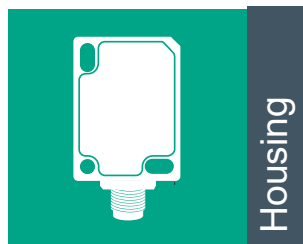


Renewable Energy

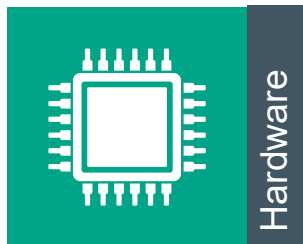
# Application and Solution Engineering



Technology



Housing



Hardware

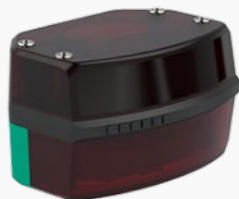


Software

## Product



Standard Product



Application-Specific Product



Customer-Specific Product

## Integration



Customer-Specific Application Software



ERP Connection

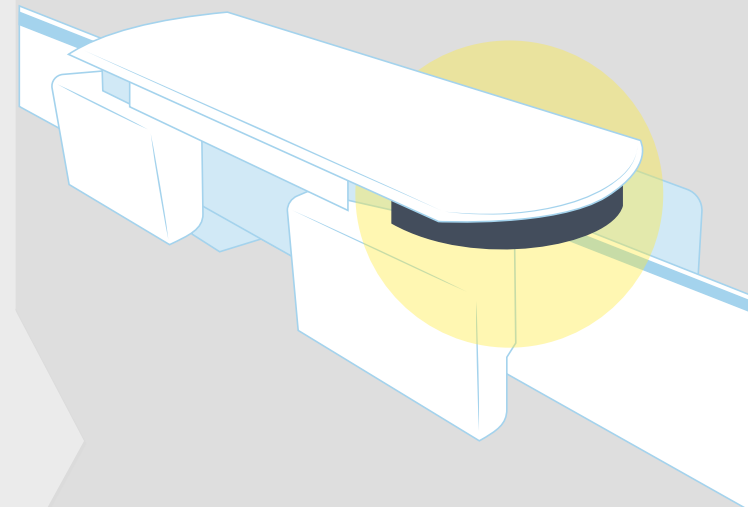


Cloud Application



...

## Solution





# Industry 4.0 Needs Sensorik4.0®



Pepperl+Fuchs develops technologies and products for the Fourth Industrial Revolution to provide data from intelligent objects and networked machines in the Industrial Internet of Things.

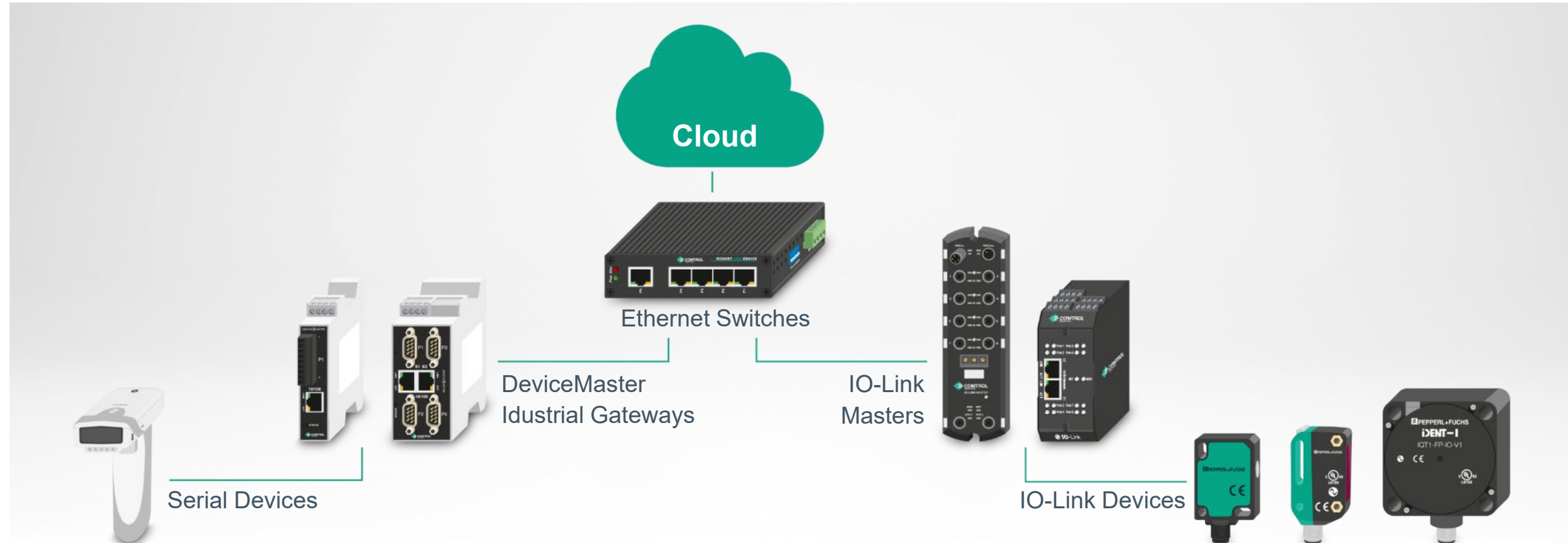


**Sensorik4.0® is a step toward a new generation of sensors:** powerful connectivity, extended functionalities, multi-sensor systems, and value added services

# Sensor to the Cloud



Reliable and transparent flow of data from the field level to the cloud. Pepperl+Fuchs connectivity helps customers to close the gap between the sensor/actuator level and higher-level cloud systems.



# Standout Ideas

## Awards

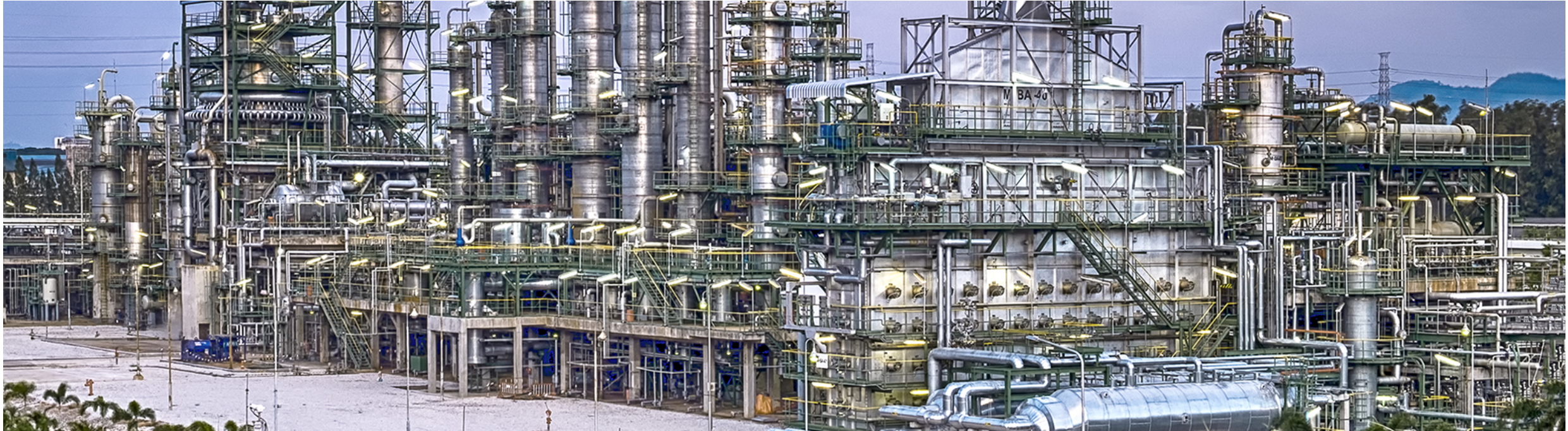


At Pepperl+Fuchs, exceptional innovative strength is transformed into award-winning products and solutions that will give you a competitive edge.



# Explosion Protection

Process Automation Division



In Explosion Protection, the core competence of the Process Automation division, Pepperl+Fuchs is renowned as a pioneer and innovation driver, offering a complete portfolio for every application level.

# Safeguarding and Connecting Your Process



- Market leading technologies covering all your protection needs
- Global experience ensures our products are designed, engineered, and manufactured in accordance with worldwide international standards
- Reliable partner to hazardous area customers for over 70 years





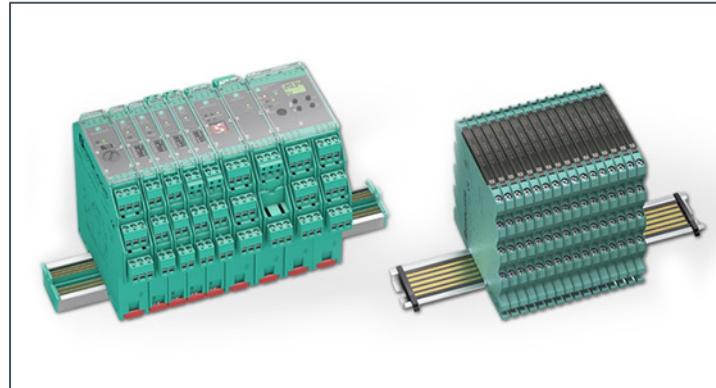
# Traditional Technology Constantly Evolving



Connection and protection of process signals in hazardous areas to control and safety systems



Intrinsic Safety Barriers



Signal Conditioners



Surge Protection



Remote I/O Systems



FieldConnex® Fieldbus Infrastructure



Wireless Solutions

# Explosion Protection Equipment



Hazardous area enclosures, solutions for protection, connection, and control



# New Technologies to Change How We Work



Plant digitization, mobile computing, and communications in industrial environments and hazardous areas



Industrial Monitors and HMI Solutions



Intrinsically Safe Mobile Devices

# Supporting your process industries

We support your technologies and applications



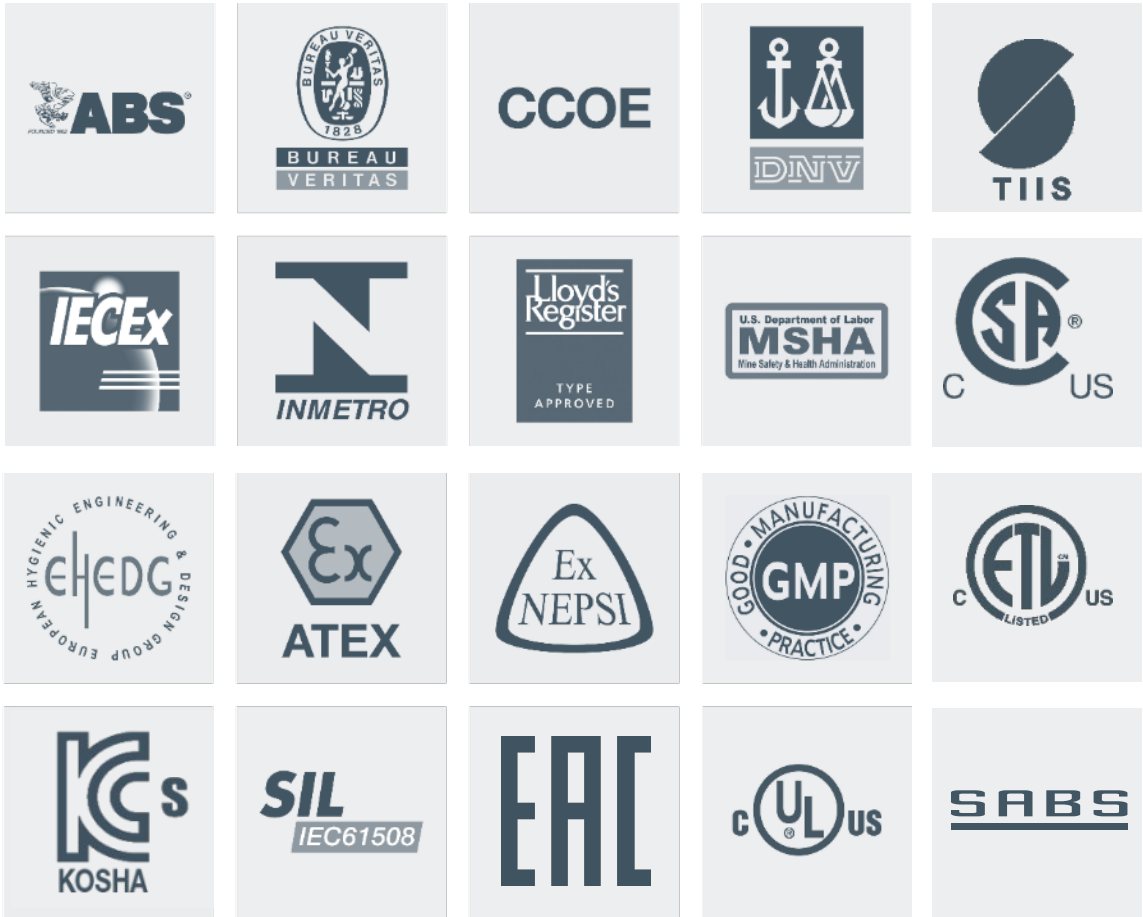
- Oil and Gas
- Chemical
- Pharmaceutical
- Mining and Metals
- Power Generation
- Offshore and Marine
- Aviation
- Wastewater
- Food & Beverage



# Certified to Make Your Industries Safe



Global certifications for global markets



# Providing Customized Solutions

Innovations in hardware and software



Customized engineered solutions using our explosion protection technologies



Mobile computing and communications in industrial environments and hazardous areas with customer software tools to streamline enterprise implementations



# Solution Engineering Centers



In close cooperation with our worldwide customers, we design and manufacture application-specific system solutions, covering all types of explosion protection.



Germany



Italy



China



Australia



USA



India

- Solution Engineering Centers close to the user, all over the world
- Expert knowledge on protection against explosions and environmental hazards
- Full support from project specification to operation in the plant



# Shaping the Future of Automation

By following our digital agenda

- We develop smart products and processes to help our customers' digital transformation
- We invest in smart production processes to increase our efficiency and product reliability



# Leading Functional Safety Solutions



From a partner you can trust

- Over 10 Million SIL products installed globally
- Products rated SIL 2 and SIL 3, independently tested for IEC 61508 and IEC 61511
- Latest products incorporate 1oo3 architecture, line fault transparency, and diagnostic technology to provide maximum safety and reliability
- Tested with major control systems for compatibility



# Why Pepperl+Fuchs Is Your Ideal Partner



Dedicated Local Support  
*Close to you*

Global Warranty  
*Products are supported worldwide*



World Leading Innovative Products  
*Technology leaders*

Global Hazardous Area Expertise  
*Local approvals*



Leader in Safety  
*Live and work safely*

Meets Global Quality Standards  
*We manufacture what we design*



Reliable Long-Term Partner  
*Supporting customers for over 70 years*

Distribution Centers  
*Products delivered directly to you on time*





# Standout Ideas

## Awards



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## Contact

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Your automation, our passion.

 **PEPPERL+FUCHS**





# Pepperl+Fuchs

### Pepperl+Fuchs at a Glance

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375,000 TON  
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PEPPERL+FUCHS

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PEPPERL+FUCHS

One Company

Revenue

Employees

Locations Worldwide

Manufacturing

Logistics

Pepperl+Fuchs Group

Your Partner

Applications

Product Range

Industries

Solution Engineering

Industry 4.0

Sensor to the Cloud

Your Partner

Product Range

Industries

Solution Engineering

Industry 4.0

Functional Safety Solutions