

**ALL IN ONE**



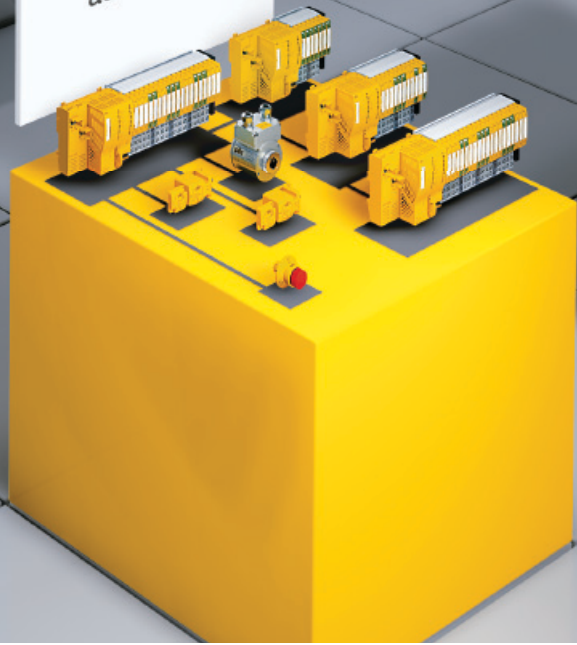
**SAFETY & AUTOMATION**

**Automation solutions from Pilz**

# Pilz Services



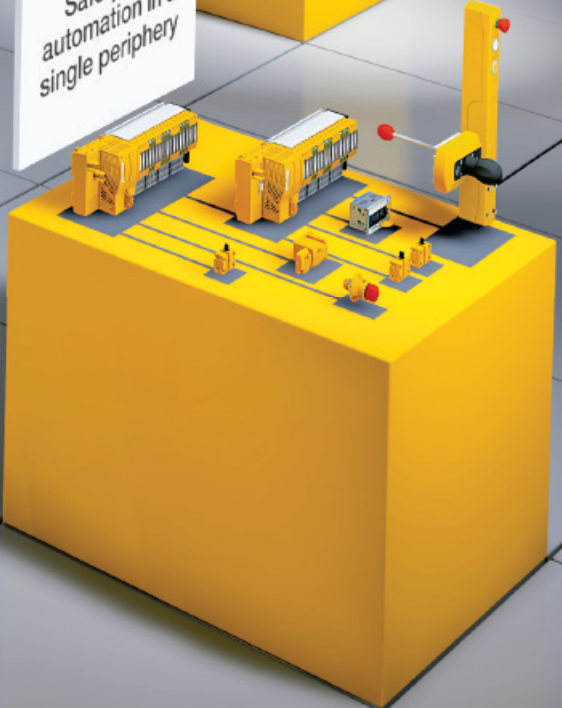
Complete automation



Standardise safety



Safety and automation in a single periphery



## ► Pilz automation solutions – All in One: Safety & Automation

Pilz offers a wide range of solutions for your automation. From sensor technology to control and drive technology – with safety and automation included! Not to mention modern operator and visualisation systems that you can rely on.

A variety of automation solutions for small, simple machines through to large, networked plant and machinery provide maximum flexibility. Whether you want to standardise your safety, implement safety and automation in the periphery or are looking for the solution for complete automation.

### The benefits to you

- ✓ easy handling
- ✓ extensive diagnostics
- ✓ open communication
- ✓ innovative software solutions
- ✓ a customised system for safety and automation

## ► Pilz services – consulting, engineering and training

We provide services that encompass the whole machine lifecycle and are available throughout the world. They are tailored to the specific requirements of your company.

### Global standards

Our safety experts around the world ensure that we maintain the quality standards for our services at a high and consistent standard internationally. We always keep our eye firmly on national guidelines and standards.

### Our extras for you:

- We carry out repeat testing of work equipment/ safety devices.
- Our retrofit concepts deliver planned productivity boosts.

### Individual services

Take advantage of tailored services for certification in accordance with worldwide safety standards, such as risk assessment, safety concept and validation through to CE certification.

### Realistic training

Maximum availability and plant safety – reach your targets by having us train your personnel. We will get you fit for purpose with training on subjects to do with machine safety.



TÜV certified and exclusively at Pilz:  
CMSE® – Certified Machinery Safety  
Expert is the international qualification  
in machinery safety.

## ► It's your choice – how to turn your automation solution into reality!

You can rely on our automation solutions to realise your multilayered applications. With Pilz solutions you're always on the safe side!

## ► Pilz control technology

### Standardising safety

Our configurable control systems PNOZmulti allow the creation of safety solutions that can be integrated into existing automation structures – whatever the primary plant control system. The safety architecture is created just once and can then be transferred to other projects. So it's possible to standardise!

### Safety and automation in one periphery

Where there is a need for structures that combine automation and safety in one periphery, the control systems PSSuniversal multi are the right choice. They are practically two devices in one: a configurable safety system and a non-safety-related I/O system. Take advantage of the easy handling and commissioning – with just one tool for safety and automation.

### The solution for complete automation

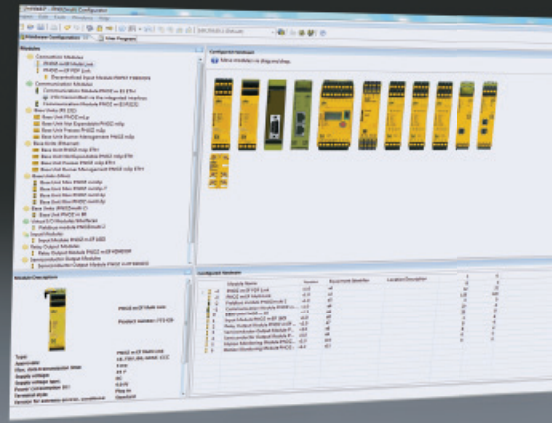
With its control systems PSSuniversal PLC in the automation system PSS 4000, Pilz offers the complete solution for safety and automation. As PLC controllers, the systems “cover both worlds”. Thanks to the Multi-Master concept, the PSS 4000 can also be used as a distributed system. As a result, modular machines can be divided into smaller units, which are monitored and controlled by equitable control systems. There is no need for a centralised control instance – a distributed user program within a central project assumes this role.



## ► All in One – merging safety and automation

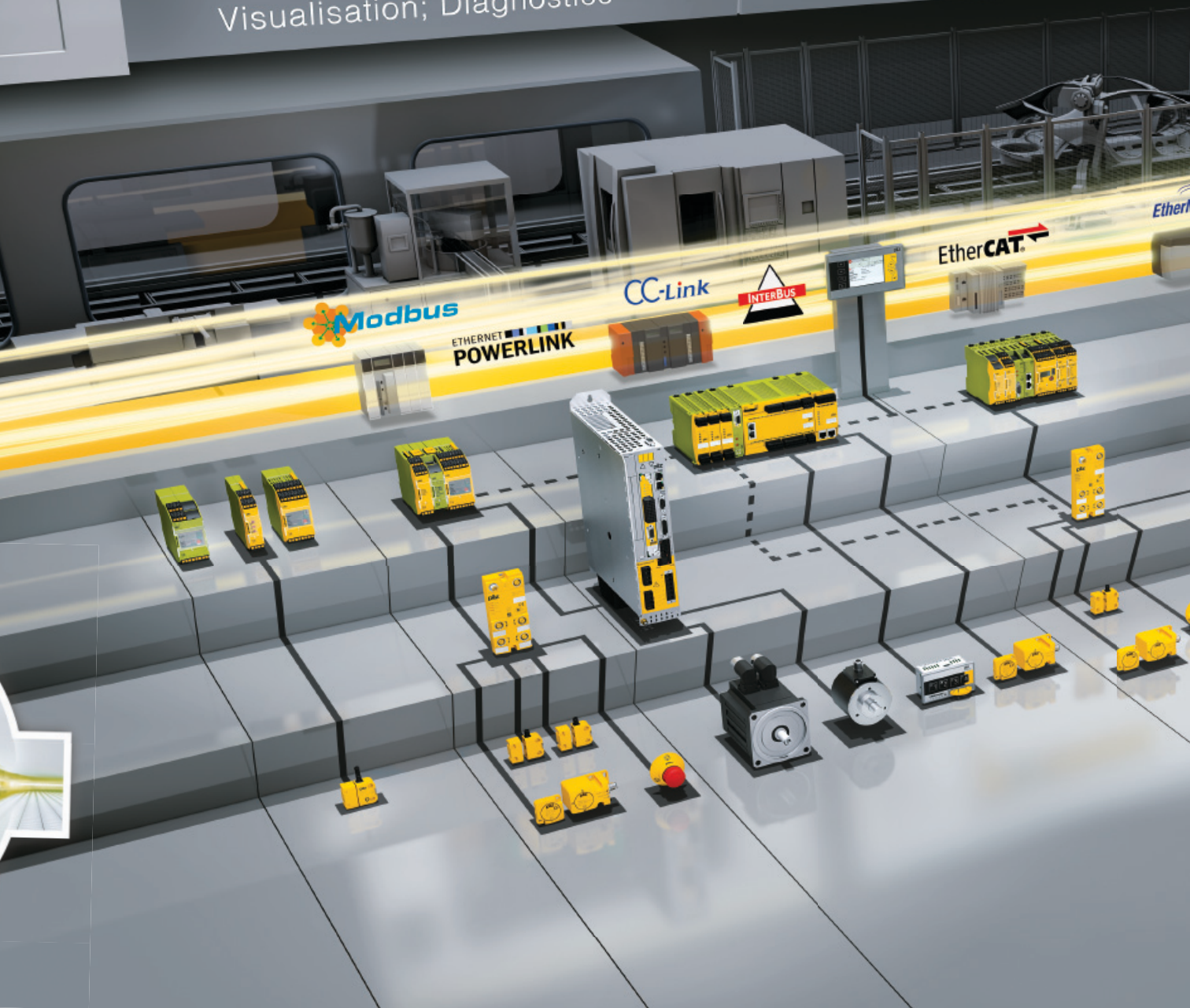
As an all-in-one supplier for safe automation, we will support you in achieving a safe, reliable and economic solution to your automation requirements. We can do that through innovative products and systems in which safety and automation are combined in hardware and software. Which means you can meet your automation requirements with one partner for safety and automation.

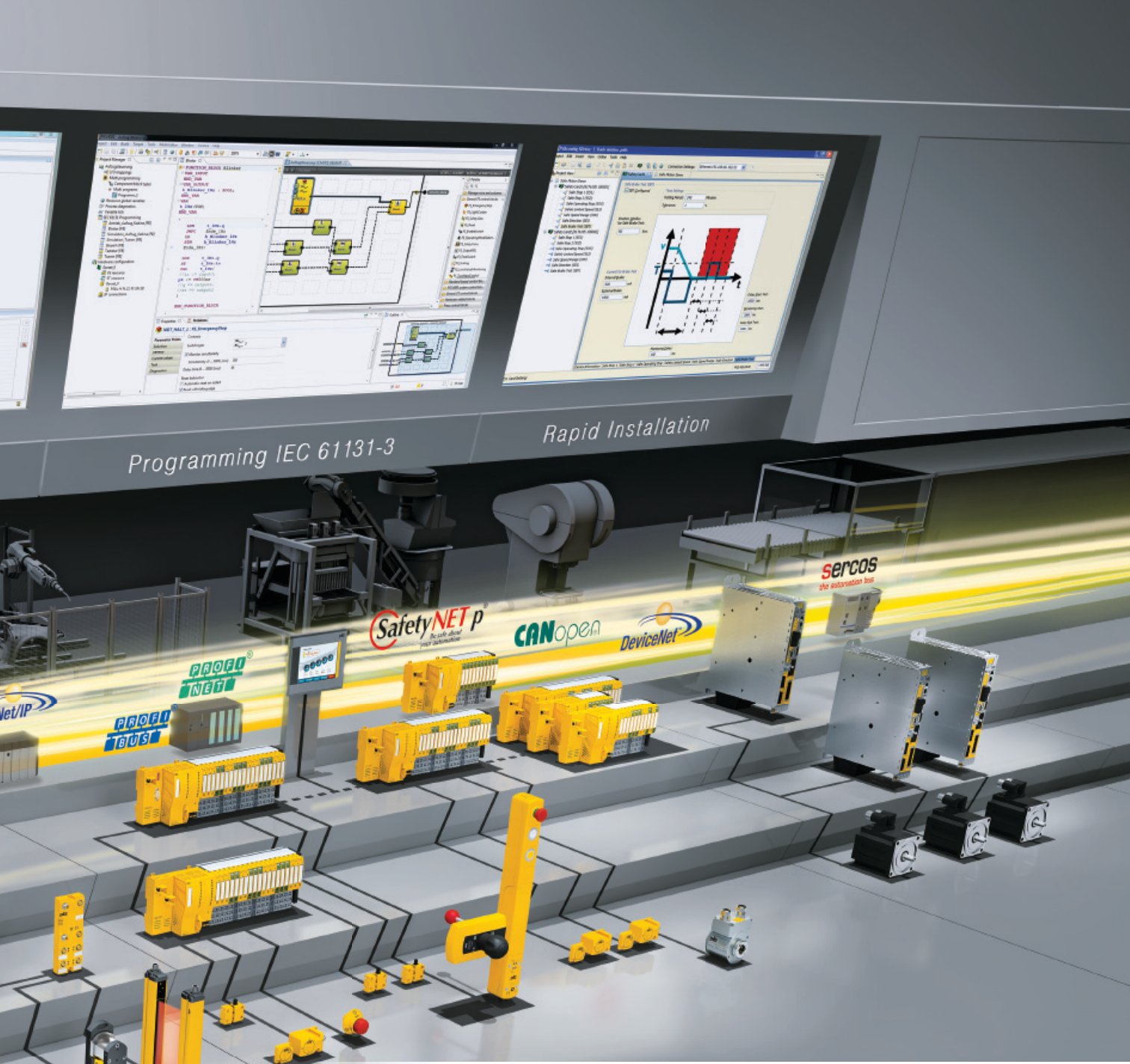




Visualisation; Diagnostics

Easy to Configure





Programming IEC 61131-3

Rapid Installation

## All in One: Safety & Automation

- ▶ Full diagnostic options for reduced machine downtimes
- ▶ Open communication for high flexibility
- ▶ Innovative software solutions for easy configuration, programming and visualisation
- ▶ High scalability for individual solutions
- ▶ One system for safety and automation

[www.complete-automation.com](http://www.complete-automation.com)



## ► Pilz sensor technology

Magnetic and coded safety switches, safety gate systems and safety light grids: in conjunction with our control technology systems, safe sensors and decentralised modules guarantee that plant and machinery are used efficiently in compliance with standards. Ready-to-install systems and universal compatible solutions offer high potential savings in project configuration, design, documentation and purchasing.



## ► Pilz drive technology

Drive technology from Pilz helps you create safe and energy-efficient automation solutions for your machines. Drive-integrated safety functions allow you to realise applications up to PL e - and all with standard encoder systems for synchronous, asynchronous and linear motors. The short response times lay the foundation for machines with the highest productivity and safety. Efficient motion controllers, Ethernet-based communication solutions, user-friendly engineering tools and modern visual display units enable one-stop automation solutions.



## ► Pilz operator and visualisation systems

Pilz control and signal devices and operator terminals provide reliable support when it comes to ensuring that your plant conforms to standard. The automation system PSS 4000 allows you to visualise your processes with the web-based visualisation software PASvisu. That gives you design freedom for your projects. Our software is based on the latest web technologies such as HTML 5, CSS3 and JavaScript, which you will know from mobile applications. That means you can create easy-to-use visualisation projects and manage your automation tasks closely and safely.



## ► Contact

We are represented around the world.

- Australia ► Austria ► Belgium ► Brazil
- Canada ► China ► Czech Republic ► Denmark
- Finland ► France ► Germany ► Great Britain
- India ► Ireland ► Italy ► Japan ► Luxembourg
- Mexico ► Netherlands ► New Zealand ► Poland
- Portugal ► Russian Federation ► Slovakia
- South Korea ► Spain ► Sweden ► Switzerland
- Taiwan ► Turkey ► USA

In many countries we are represented by sales partners.  
Please refer to our Homepage for further details or  
contact our headquarters.

**You can reach our international hotline on:**

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**pilz**  
the spirit of safety