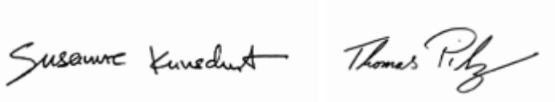# PILZ

THE SPIRIT OF SAFETY

Welcome to Pilz!

The Spirit of Safety

In everything we do, we want to make the world safer.
This is apparent in every idea, every product and every
solution that's developed at Pilz. We always focus on
our customers' needs and are passionate about supplying
them with cutting-edge technology and the very best quality.

Today, Pilz is a global supplier of automation products,
systems, and services with more than 2 500 employees.
For over 70 years now we've been inspiring our customers
with ground-breaking product developments and delighting
them with reliable service.

Thanks to innovative technology and universal, custom
concepts for safety and security, we can provide support
as you implement your automation solution. As a traditional
family business, this is what we and our employees represent:
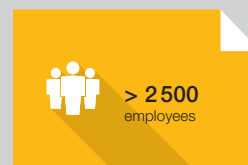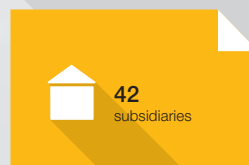every one of us is an ambassador for safety.

Susanne Kunschert   Thomas Pilz
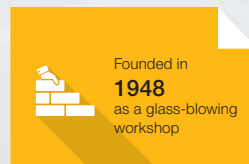
Global Player

Founded in
1948
as a glass-blowing
workshop

Headquarters in
Ostfildern

Turnover
€322 million

Export

74%

42
subsidiaries

> 2 500
employees

R&D quota
21%

Key company figures 2019

» We go where our customers need us. «

Pilz GmbH & Co. KG is a company with an international focus: we develop, produce and market our products and solutions worldwide. As a solution provider for automation technology, we are continuously expanding our subsidiaries. Because the closer we are to our customers, the better we can understand their applications and the more accurately we can define current market needs. And of course it means we can deliver swiftly as well as providing rapid on-site support.

Choosing Pilz as your partner gives you access not only to our extensive sales network but also to our knowledge of local markets and standards, which guarantees transnational quality. International corporations with production facilities on different continents and export-focused machine builders the world over are already reaping the benefits of our know-how. As a worldwide ambassador for safety, we aim to increase safety awareness even in countries without equivalent standards and directives for machinery and operational safety.

» Subsidiaries and branches

» Sales partners

» Production sites
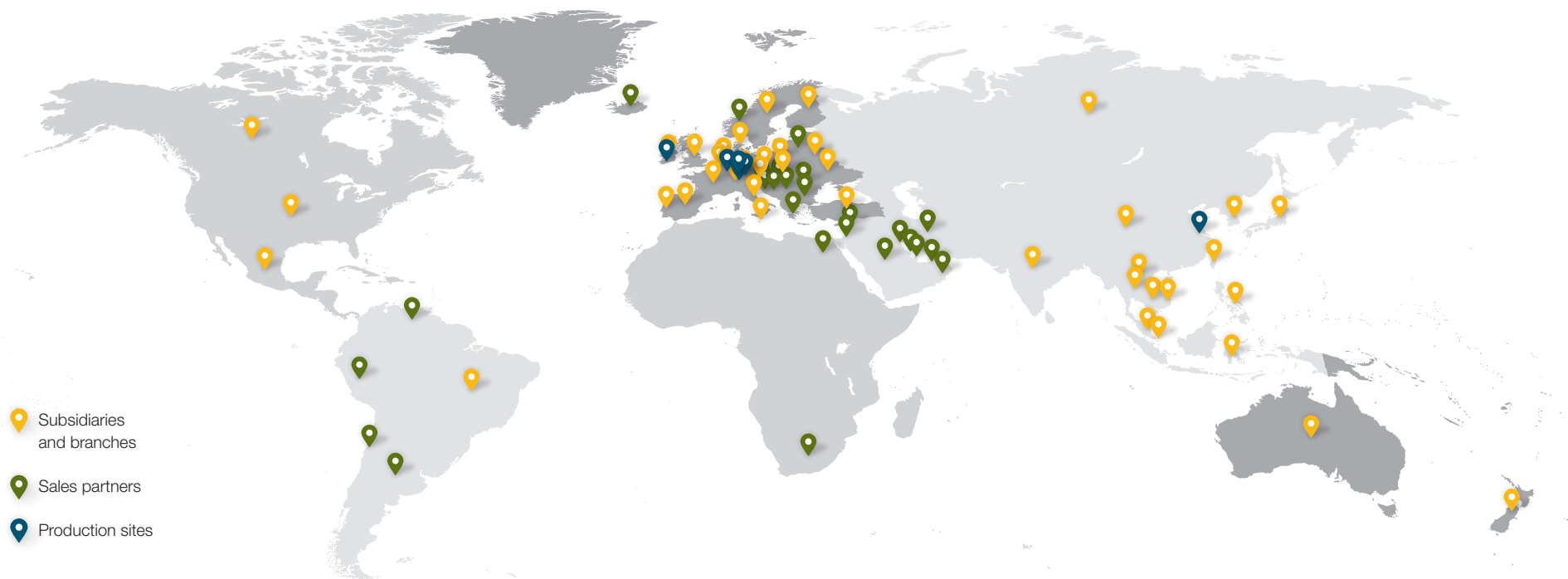
Our Vision

» In everything we do,
we want to make the world safer. «

That's our vision – The Spirit of Safety.

Pilz is a global supplier of automation products, systems and services. When it comes to safety for human, machine and the environment, we are your partner. When you buy from us you can expect automation solutions that take account of both machinery safety and security requirements.

We automate.
Safely.

» As the customer, you are at the centre. «

Be convinced by high-quality products, innovative systems and exceptional services. You gain built-in sustainability as we strive to ensure that all your Pilz products and solutions are energy-efficient and environmentally-friendly. Our offer ranges from turnkey automation solutions, to sensor technology, to control and drive technology.

As an ambassador for safety, we've got your back. From day one, we take account of your machinery and systems safety requirements in each and every automation solution – all in line with applicable standards and laws. Our components and systems have passed approvals and tests worldwide. This saves you having to make any expensive readjustments to your project and boosts your sales and export opportunities.
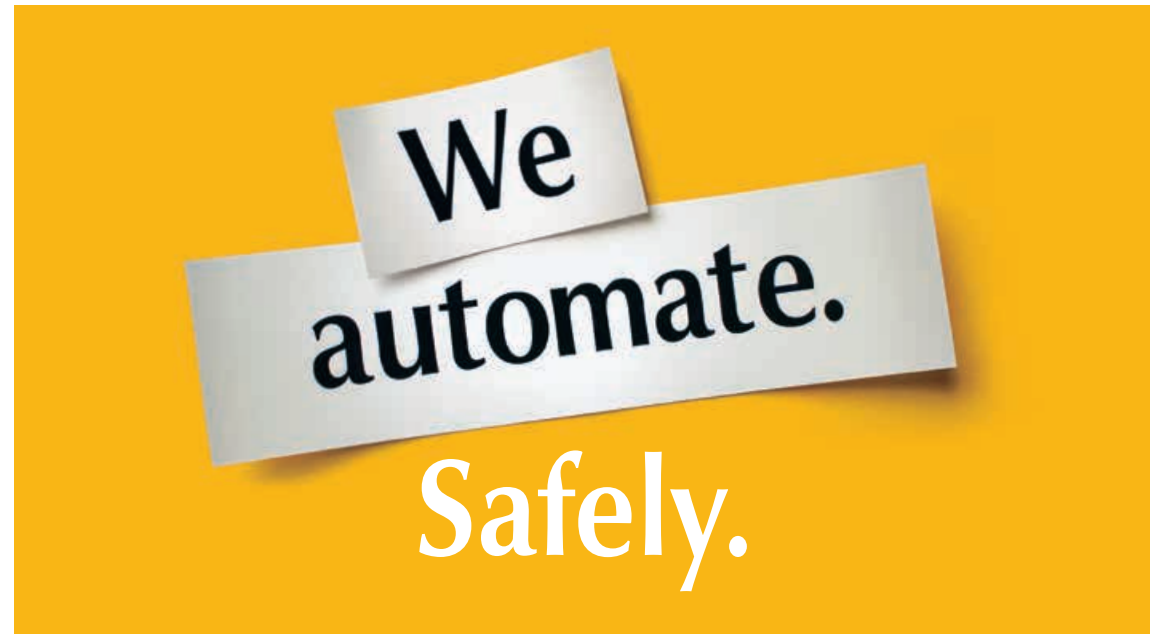
How an idea
conquered the world

» Ideas are nothing without action. «

For over 70 years Pilz has been inspiring
its customers with innovative products
and solutions: initially with glass laboratory
equipment, then electronic timers and later
relays and programmable control systems.
Today we provide solutions for Industry 4.0.
At each point in time our family business
has adapted to the current needs of the
market, revolutionising automation with
a series of technological milestones.
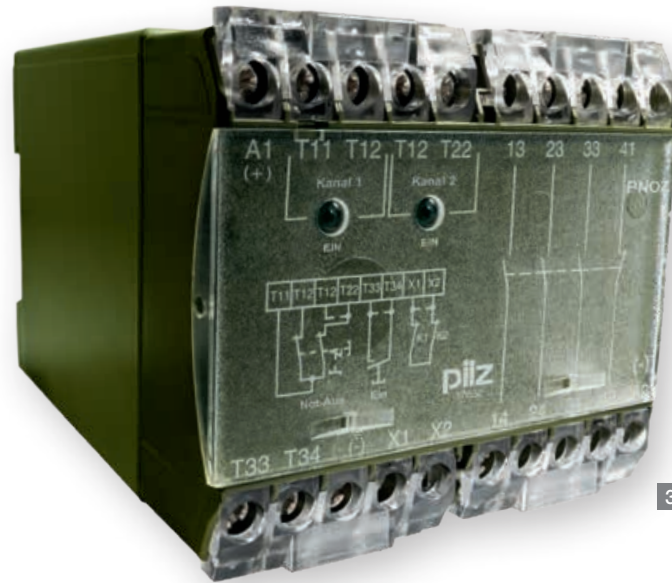
1 1948–1959: Founding years
Hermann Pilz opened a glass-blowing
workshop in Esslingen – the starting point for
further development towards industrial relays.

**2 1960–1969: Inventive genius
inspires development**
It was the founder's son, Peter Pilz,
whose pioneering spirit was the driving
force behind the company's transition
to electronics.

3 1970–1989: Pilz becomes market leader
After Peter's untimely death, his wife
Renate Pilz continued to lead the company
forward in the spirit he intended. Pilz made
industrial history in 1987 with the launch of
the PNOZ emergency stop relay.

4 1990–1999: Pilz becomes a global player
The company established many more
international branches. Pilz recognised
early on that the world market is crucial
to a successful future.

5 2000–2019: New generation, new innovations
Pilz developed a host of new products including
the PSS 4000 automation system and made
the transition from safety technology to
automation technology. In 2018, Renate Pilz
handed over executive management to her
children Susanne Kunschert and Thomas Pilz.

Technological milestones
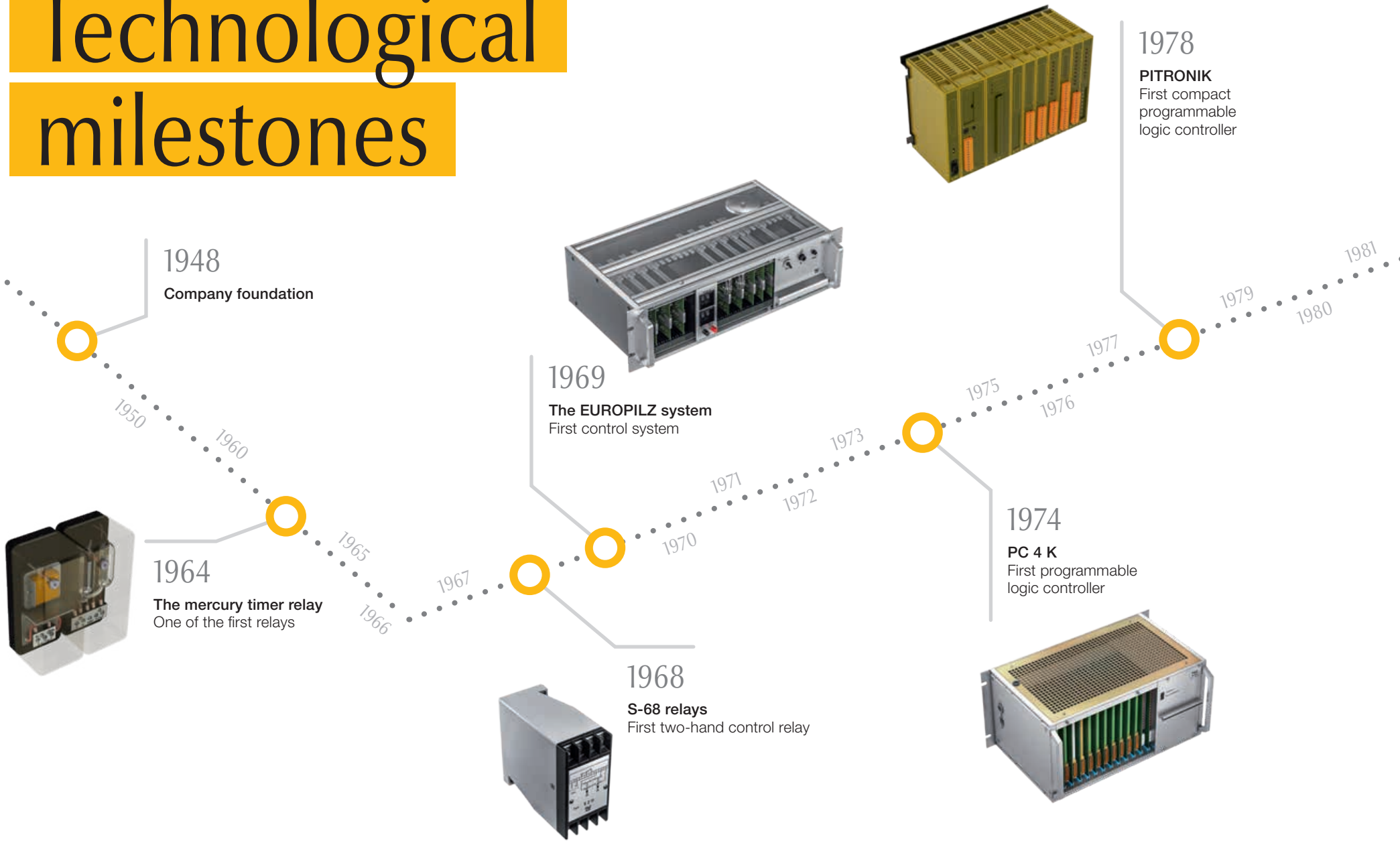
1948
Company foundation

1964
The mercury timer relay
One of the first relays

1968
S-68 relays
First two-hand control relay

1969
The EUROPILZ system
First control system

1974
PC 4 K
First programmable
logic controller

1978
PITRONIK
First compact
programmable
logic controller

1950 1960 1965 1966 1967 1970 1971 1972 1973 1975 1976 1977 1979 1980 1981
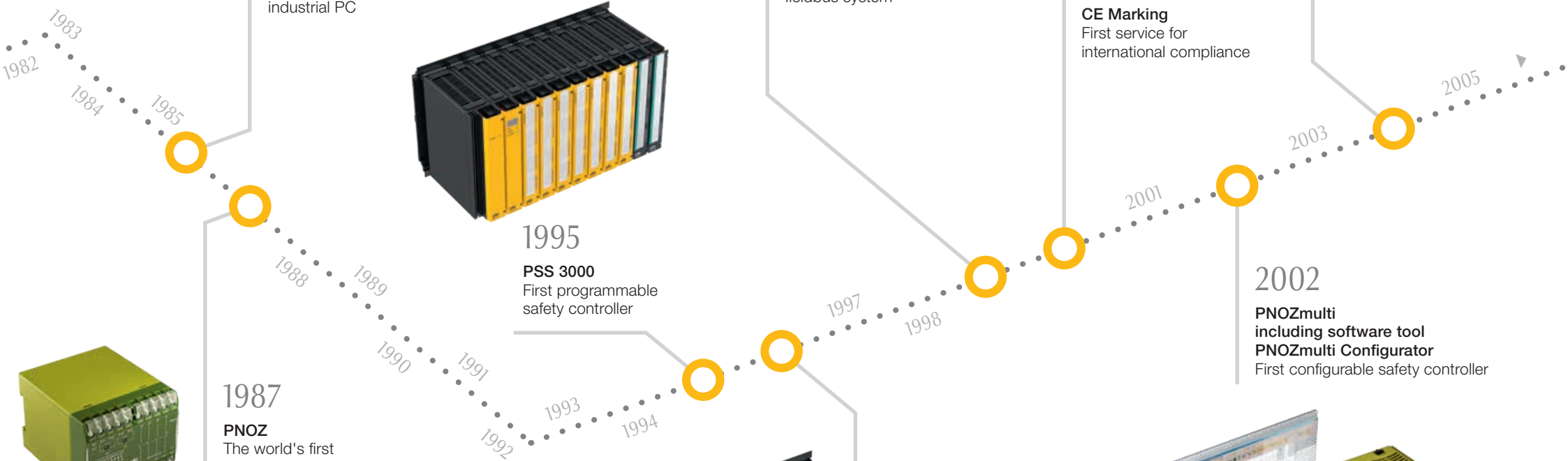
1986

PITRONIK P9/P10
High-performance logic controller with an integrated industrial PC

1983

1982

1984

1985

1987

PNOZ
The world's first emergency stop relay

1988

1989

1990

1991

1992

1993

1994

1995

PSS 3000
First programmable safety controller

1996

MIPSS
An industrial PC with the functional safety of a logic controller

1997

1998

1999

SafetyBUS p
First safe fieldbus system

2000

CE Marking
First service for international compliance

2001

2002

PNOZmulti
including software tool
PNOZmulti Configurator
First configurable safety controller

2003

2004

PSENcode
First coded safety switch

2005

2005
PSSuniversal
First decentralised
I/O system

2006
SafetyEYE
First safe
camera system

2004

2013
CMSE
First internationally
certified qualification
for machinery safety

2014 2015

2012

2016
PASvisu
Web-based
visualisation software

2011

2010

2007
PMCprotego
First servo amplifier
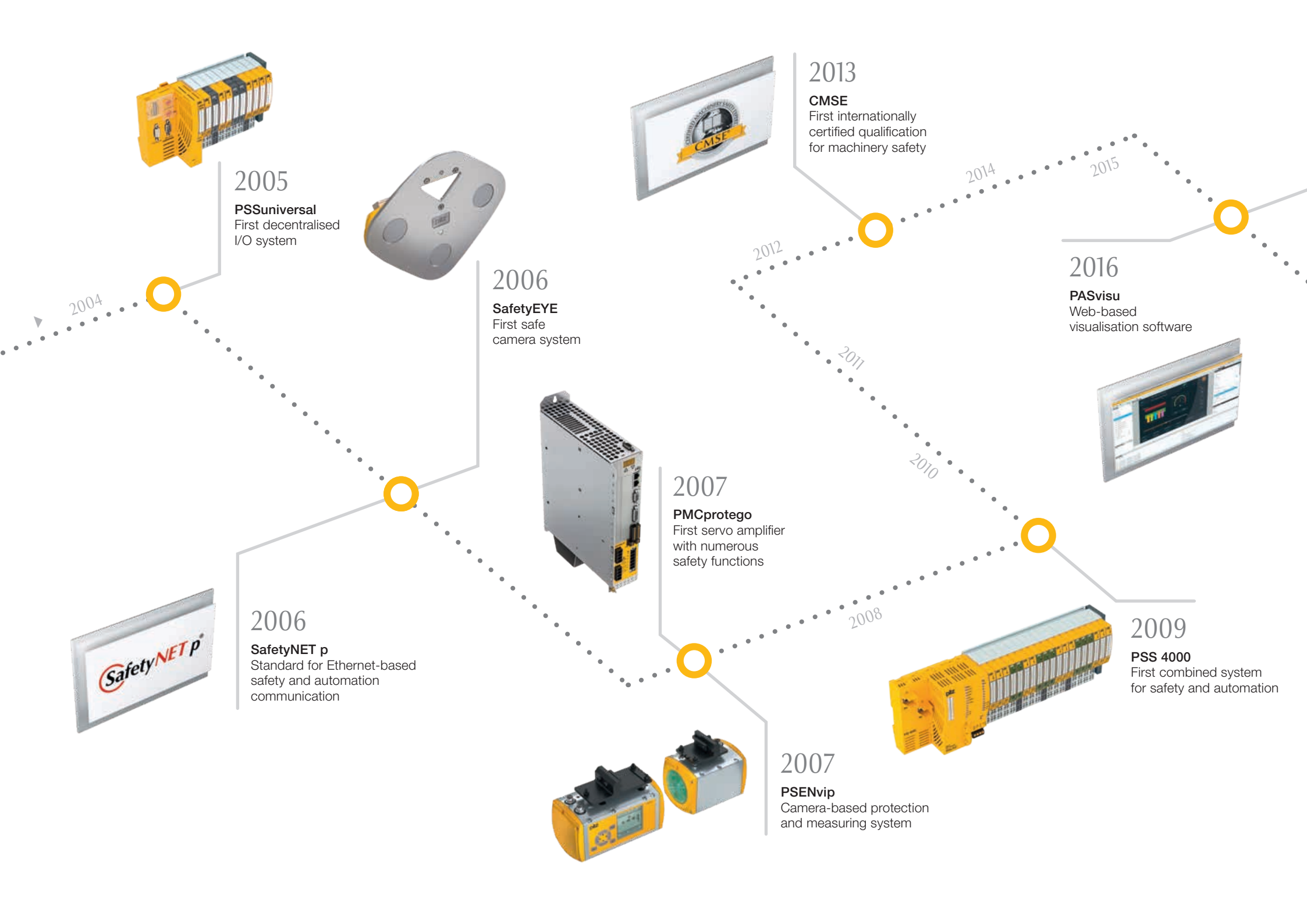with numerous
safety functions

2006
SafetyNET p
Standard for Ethernet-based
safety and automation
communication

2008

2009
PSS 4000
First combined system
for safety and automation

2007
PSENvip
Camera-based protection
and measuring system

2016

PSENopt II
First type-3 light curtain

2018

PRBT
First Service
Robotics Modules

2018

SecurityBridge
First firewall for
industrial security

2019

CECE
First certified qualification
for CE marking

2019

PITmode fusion
First operating mode selection
and access permission system
for safety and security

2017

2022

2021

2020

Your automation solutions partner

» A one-stop shop. «

Benefit from scalable, open automation solutions – from sensor technology to control and drive technology – including individual consultation and technical implementation for the safety of machinery. We provide services throughout the plant and machinery lifecycle to keep people and machines as safe as possible. As a solution provider, we assist you with everything from planning through to selecting your components, integrating and commissioning your systems and international compliance. An international training programme completes our consultancy and engineering portfolio. We pride ourselves on our reliability and flexibility in responding to your individual requirements.

Sensor technology

Relays

Small controllers

Controllers

Drive technology

Service Robotics Modules

Operation and monitoring

Software

Services

At home in
every industry

» Over 70 years of unparalleled experience. «

Our products, systems and services make people safe all over the world. Pilz solutions can be used in all areas of mechanical engineering including robot applications, packaging machinery, presses and machine tools.

You'll also find our safety technology in everyday applications such as railways, cable cars and theme parks.

Food and Beverage
Help with achieving safety objectives and plant availability.

Robotics
Solutions for safe human-robot applications.

Machine tools
Integrated safety solutions for any application, independent of the CNC controller.

Automotive industry
Product solutions and advice in all matters regarding machinery safety.

Railway technology
Secure digitalisation for control and safety technology, infrastructure and rail vehicles.

Innovation is in our DNA

» We are shaping the future
of industrial automation. «

Whether it's Industry 4.0, industrial security or robotics, the factory of the future calls for new concepts, products and solutions. The ability of an agile company is what's needed to grasp innovative ideas and make them market-ready and suitable for industrial use. Pilz has proved its ability many times in its more than 70-year history: with products such as the Pilz emergency stop relay PNOZ, the world's first safe programmable controller PSS 3000 or the first safe 3D camera system, SafetyEYE. The drive for innovation is firmly engrained in our DNA. Pilz invests more than 20% of turnover in research and development. We're also involved in national and international committees and work closely with research institutions.

We can help with any industrial security issue.

We develop solutions for the intelligent production of tomorrow.

For flexible, customised, safe production processes that save resources and energy.

More than
just a job

» A company with traditions –
an employer with a promising future. «

As a family business, Pilz is also defined by its staff. Every one of our employees plays a role, both in ensuring that people and machinery can work together safely and in preserving the environment – whether in the factory or in everyday life. Our products and services also help to save production resources, promoting sustainable development.

Our company values are based on Christian roots. Along with regard and respect for other cultures and the world's leading religions, they form the basis of our guiding principle: a positive and constructive working environment, in which we treat each other in an ethical manner. This is characterised by mutual appreciation, a respectful approach, mindfulness, care, honesty, openness, loyalty, reliability, hard work and a willingness to help.

We also pride ourselves on short decision-making processes, wide-ranging opportunities to participate in the business, and a high level of personal responsibility. We offer secure employment, flexible working hours, a company pension scheme and a variety of sports and leisure clubs.
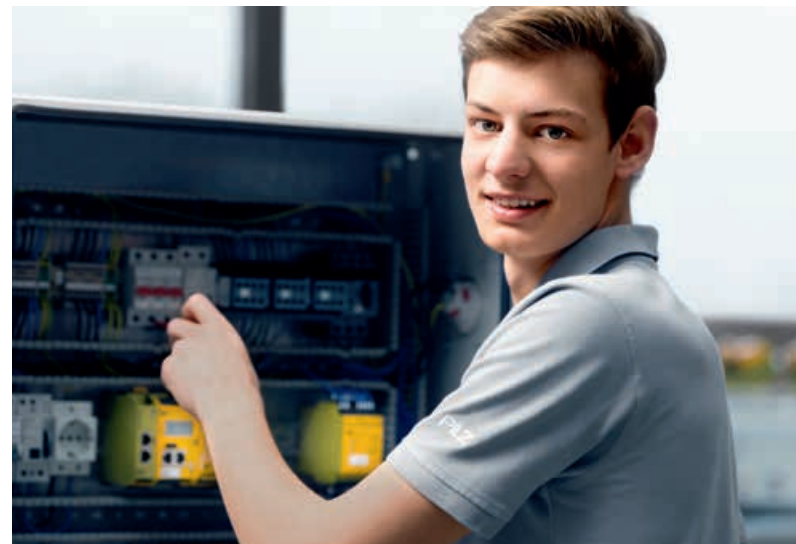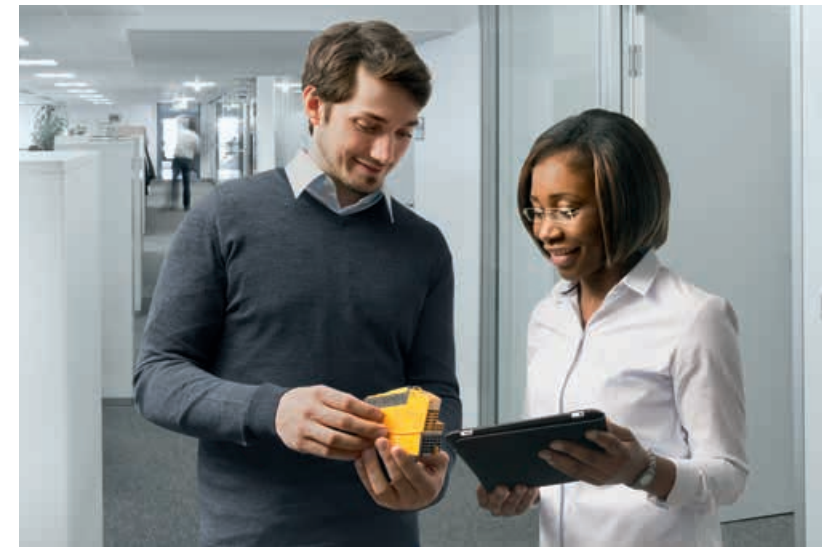
The first step – whether an apprenticeship, dual education or internship.

VALUES. CREATE. FUTURE.

PILZ

THE SPIRIT OF SAFETY

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Presented by: