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Press Message

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New training offer from Pilz, “Fundamentals of Industrial Security”, provides an introduction to Security in automation - Basic knowledge of Industrial Security

Ostfildern, 24.04.2025 - **In order to guarantee Industrial Security on their own machinery, specialists in mechanical engineering require sound fundamental knowledge - particularly of legislation and applicable standards. Experts from Pilz share this expertise in the “Fundamentals of Industrial Security” training course. Delegates learn to understand security threats, appropriate protective measures and best practices in the context of machinery and network security.**

Networking and digitisation of machinery mean new security risks through cyber attacks or even (unintentional) manipulation. So Machinery Safety needs a rethink, because Security guarantees the integrity and reliability of Safety.

Comprehensive understanding of Industrial Security

In the new training course “Fundamentals of Industrial Security”, Pilz trainers pass on fundamental knowledge of Industrial Security in industrial automation. They address new compliance regulations as well as other legal requirements, such as the Machinery Regulation (MR), Cyber Resilience Act (CRA) and NIS-2 Directive. The differences between IT and OT and their impact on Machinery Safety in production are also discussed. Examples from best practice illustrate the subject matter and can be transferred to the risk assessment in your own production environment. So even those new to Security can learn about the measures they can take to effectively protect machinery from cyber attacks and manipulation at machine production level.

First-hand knowledge

Delegates benefit from expert knowledge because Pilz participates in relevant standards committees for Safety and Security, and advises companies on how to achieve security protection goals on their machine. “Fundamentals of Industrial Security” provides a quick introduction to the subject and a compact knowledge base for terminology, requirements and protection goals. Having completed the training, delegates are immediately prepared to consider Industrial Security in new projects.

- [You'll find all the dates for the digital training course “Fundamentals of Industrial Security” in Pilz's International Training Calendar](#)



Caption: In the “Fundamentals of Industrial Security” training course, Pilz provides basic knowledge about Industrial Security on machinery. The agenda includes not just theory but also practical implementation. (Photo: © iStock.com/nd3000, © iStock.com/AndreyPopov, © iStock.com/gorodenkoff, © iStock.com/Nutjaree Yomjun, © Pilz GmbH & Co. KG)

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<https://www.pilz.com/en-INT/company/press/messages/articles/245533>

Pilz - The Spirit of Safety

Pilz is a global supplier of products, systems and services for automation technology. As a pioneer of safe automation, Pilz creates safety for human, machine and environment. Founded in 1948, today the family business with its head office in Ostfildern is represented worldwide with 2500 employees in 42 subsidiaries and branches.

The technology leader offers complete automation solutions for Safety and Industrial Security on the machine. These include sensor, control and drive technology - as well as systems for industrial communication, diagnostics and visualisation. An international range of services with consulting, engineering and training completes the portfolio. Pilz solutions are used in many industries beyond mechanical engineering, such as intralogistics, packaging, railway technology, or the robotics sector for example.

Pilz in social networks

In our social media channels we give you background information concerning the company and the people at Pilz, and we report on current developments in Automation Technology.



<https://www.facebook.com/pilzINT>



<https://www.youtube.com/user/PilzINT>



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