

Press Message

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Future-proof with Industrial Security

Ostfildern, 20.08.2026 - **With two new Industrial Security services, Pilz is enhancing its support for companies when it comes to protecting their networked plant and machinery. With Security Evaluation of Machinery (SEM) and Security Assessment of Machinery (SAM), Pilz helps to identify and minimise cyber risks on machinery at an early stage and provide reliable protection for systems. Companies receive support with the implementation of current legal requirements, such as the EU Machinery Regulation and Cyber Resilience Act (CRA), but that's not all; handling Security issues safely also helps to reduce risks, drive innovation and strengthen competitiveness.**

Contents at a glance:

- *Two new Industrial Security Services from Pilz*
- *Services help companies to systematically identify security risks and vulnerabilities in machinery*
- *Companies receive support with implementation of the Machinery Regulation and CRA*

New legal requirements such as the Machinery Regulation or CRA focus on systematic identification and assessment of safety risks throughout the entire lifecycle. This is exactly where Pilz's new Industrial Security Services come into their own.

Security for Safety: Protect what's important

Under the guiding principle “Security for Safety”, the new services aim to identify, assess and prioritise potential threats and security vulnerabilities in machinery at an early stage. In this way, companies safeguard functional safety, product quality, plant availability and data confidentiality, while avoiding costly downtimes and production losses. The functional Safety of machinery remains the essential foundation – Industrial Security ensures that Safety is effectively protected and guaranteed in the long term, even in increasingly networked environments. In particular, manipulation of safety-related functions and corruption of machine and process data are prevented.

SEM and SAM - individually or as a pair

Pilz’s two new Industrial Security services are modular in design:

- With Security Evaluation of Machinery (SEM), Pilz helps to assess the Industrial Security status of individual machines or entire fleets of machinery. Critical security gaps are identified and the need for action is prioritised – for a quick overview, initial compliance measures and to improve the Security level.
- With Security Assessment of Machinery (SAM), Pilz offers a comprehensive Security risk assessment in accordance with IEC 62443. This includes the analysis of network segmentation and interfaces, as well as the evaluation of potential attack paths, including specific measures and strategies for the long-term mitigation of Security risks.

Holistic approach throughout the entire lifecycle

The new services complement Pilz’s existing Industrial Security portfolio, which ranges from training and services to solutions and products. With this holistic approach to Safety and Security, Pilz helps companies to implement current security requirements and ensure that machinery is reliably protected throughout its entire lifecycle.

- [Further information on the new Security services](#)



Caption: With its new Industrial Security Services SEM (Security Evaluation of Machinery) and SAM (Security Assessment of Machinery), Pilz helps companies to identify security vulnerabilities at an early stage, assess risks and safeguard machinery in the long term. (Photo: © Pilz GmbH & Co. KG)

You can find texts and images for downloading at:

<https://www.pilz.com/en-INT/company/press/messages/articles/249350>

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>



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