Safety and Industrial Security: Keep your production data secure from outside and inside forces

written by Lauri Moon | May 4, 2022

In the past, plant operators ensured people and machines were safe by following the qualifications of the appropriate Standards and Directives. Today, plant operators also need to ensure their data is safe. Thanks to the threats from the cyber world, security is now an essential element of safety.

Today, production and industrial plants are highly interconnected using information technology, making your data vulnerable for attackers to intrude into automation and control systems, manipulate them and even compromise safety (machinery safety). This means that staff who are not IT experts have to deal with potential hazards. Industrial security deals with the security of control networks in production and industrial plants in factory automation and process control. However, it's not always the "bad guys" who do the damage. While threats can stem from the cyber world, many security violations occur unintentionally and internally—for example, due to operating errors by colleagues and staff.

The objective of industrial security is to guarantee the **availability** of plant and machinery and the **integrity** and **confidentiality** of machine data and processes. It begins with the access control at the plant door and extends all the way to the defense against attacks by hackers.

This webinar will cover the following topics:

- Security and safety are interconnected
- Industrial security is more than IT security
- Cyberattacks as well as internal attacks
- Mitigating threat measures
- Future outlook

Register

Speakers

Nils Buecker
Senior Manager Software and Technologies
Pilz GmbH & Co
Nils Buecker has been working in the department Product Management of Pilz GmbH & Co KG since 2020. Mr Buecker is an experienced engineer for Electronic Engineering and specialist for automation networks and industrial security. The focus of his work at Pilz are cyber security and platform technologies across the product portfolio as well as network components.

Brandon Cox
Product Manager, Americas
Pilz Automation Safety, L.P.
Brandon Cox has been with Pilz for over 5 years and has responsibilities in product training and support both internally and for our Authorized Distributors. Brandon has a Bachelor of Science degree in Electrical Engineering from Tuskegee University, and has 15 years of experience working as a control systems engineer in industrial manufacturing, and nuclear design utilizing benefits and features of a variety of safety components.

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