SIEMENS

SITRAIN: Basics of Industrial Security for process industries (Online Training) (ST-SECPA1)

Short Description

The online training is designed to deliver an overview of the secure operation of plants in the process industry.

Objectives

Participants are introduced to the dangers for industrial plants in the process industry, analysis of potential weaknesses, evaluation of risks, and how to protect plants in the process industry from attacks. Additional content is the knowledge of which counter-measures can be applied to the different areas of the concept.

Target Group

- Project manager
- Project staff
- Technologists
- Project manager
- Process engineer
- Commissioning engineer
- Information Security Officers

Content

- Introduction
  - Trends in automation systems
  - Cybersecurity
  - Search engine for IoT devices
  - Industrial security
  - Enterprise (IT) vs. Industrial (OT) Security
- Standards & Guidelines
- Security risks
  - Security concept and risks
  - Malware
  - Risk and vulnerability analysis
- Security concepts for network security and system integrity
  - Plant security (physical, organizational)
  - Network security (firewall, communications)
  - System integrity (hardening, user and patch management, malware detection)
- Remote maintenance and maintenance access
- Data exchange with SIMATIC PCS 7

Note

Please note that time statements (course start / end) are related to Central European Time (CET), respectively Central European Summer Time (CEST).

Included in the course price: Free access to the digital learning platform SITRAIN access – starting one week before the start of the course until two weeks after the end of the course.
With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

Type

Online-Training

Duration

2 days

Language

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