SIEMENS

Basics of Industrial Security for process industries (ST-SECPA1)

Kort beskrivning

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

Beskrivning/mål

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.

Målgrupp

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

Innehåll

- 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

Övrig information

Course language is English.

Typ

Utbildning

Antal dagar

2 dagar

Språk

en

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