

Basics of Industrial Security in the process industries (ST-SECPA1)

Short Description

The 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

Type

Face-to-face training

Duration

2 days

Language

en