

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

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### Short Description

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

### Objectives

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Participants are introduced to the dangers for industrial plants, analysis of potential weaknesses, evaluation of risks, and how to protect plants in the process industry from attack.

### Target Group

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- Project managers, project workers
- Process engineers
- Configuration engineers, programmers
- Commissioning engineers
- Security officers

### Content

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- Why is industrial security necessary (threats, case studies)?
- What are the differences between Office IT and Industrial IT?
- Which guidelines and standards help to reduce risks?
- What is malware?
- What does the security concept defense in depth encompass?
  - Plant security (physically, organizationally)
  - Network security (firewall, communication)
  - System integrity (hardening, user and patch management, recognizing harmful software)

### Prerequisites

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- Basic knowledge of process automation systems (corresponding to the WBT WT-PZE)
- Basic knowledge of networking (corresponding to the WBT WT-IEOSI)

### Type

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Face-to-face training

### Duration

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2 days

### Language

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