



## Online-Course: Cybersecurity in Energy Distribution

 1 day

 **English**

 oCcyb01en

Get an introduction to the basics of cybersecurity and dependable systems in this beginner friendly, well-balanced mix of presentation and live demonstration by our trainer. In the theoretical part, you will learn about basic terminology, the difference between IT and OT cybersecurity, motivations, vulnerabilities, frameworks, and much more. This theoretical part is rounded up with examples and known attacks on substations and utilities. Learn how to detect threats, understand alarms, and monitor your network with the Intrusion Detection System StationGuard hands-on.

### Objectives

- ▶ Understand and get an introduction to the basics of cybersecurity
- ▶ Learn about different requirements for OT and IT cybersecurity and why they clash in energy distribution
- ▶ Get to know what to consider when building a dependable system and why this is necessary
- ▶ Understand the importance of cybersecurity with concrete examples and how it affects your work
- ▶ Set up the Intrusion Detection System StationGuard and learn about its benefits for OT environments

### Content

- ▶ Introduction to Cybersecurity
  - ▶ Differences in requirements for OT and IT
  - ▶ Opponents and Motivations
  - ▶ Vulnerabilities and Attack Vectors
- ▶ Building dependable Systems
  - ▶ Managing Risks
  - ▶ Vulnerability Management
  - ▶ Asset Inventory
- ▶ National and International Frameworks and Standards (ISO 27000, IEC 62443, ...)
- ▶ Functional Monitoring in Substations
- ▶ Application of Intrusion Detection Systems (IDS)
- ▶ Hands-On for StationGuard
  - ▶ Understanding alarms
  - ▶ Assigning Roles and setting up the configuration

### Solutions

StationGuard

### Audience

Anyone interested, OT and IT  
Substation Cybersecurity Engineers,  
Management and Architects

### Prerequisites

None