




## IT principles for protection and control engineers – bridging the gap

 2 days

 English

 Ccyb51en

Ensuring the security of power supply is a top priority for electric utilities and industrial plants, and for you as an OT team member. Are you aware of any risks on top of the ones related to the electrical assets and the grid? This course will introduce you to IT related risks and potential attacks and empower you to deal with these on a professional level. For this purpose, our experts with practical experience will provide you with an easy introduction to the basics of the IT security process, and bring IT and OT employees together.

### Objectives

- ▶ Understand the differences between safety and information security requirements
- ▶ Know the trigger points of IT employees regarding ISMS and security concepts
- ▶ Learn the essential points of risk management process and how to perform a risk analysis
- ▶ Know types of cybersecurity attacks and measure for incident prevention and incident response

### Content

- ▶ Safety vs. (Information) Security
- ▶ Use of norms and standards – an overview
- ▶ Information Security Management Systems (ISMS) and Information Security Organization
- ▶ Information Security Process and security concepts
- ▶ Network structure, segmentation and protocols
- ▶ Risk Management: IT vs. OT
- ▶ Requirements of Supplier Management
- ▶ Types of cybersecurity attacks and attack vectors
- ▶ Incident Prevention and Incident Response
- ▶ SIEM / SOC
- ▶ Audits & Certifications

### Solutions

Knowledge sharing

### Audience

Protection and control engineers

### Prerequisites

none