

IT Networks & Cyber Security in Energy Automation (CS-NTCS)

Objectives

After this course the participants will be able to set up and configure networks local automation system networks. The theoretical knowledge will be consolidated through practical exercises. Distinctive features of automation system networks will be highlighted – especially related vulnerabilities and their minimization. Finally, current cyber security issues and recognized dangers are covered within this training.

Target Group

Technicians / engineers from utilities and industry who are involved in design, project management, operation or commissioning of automation systems.

Content

3 subsequent modules grant the optimal combination of theory and practical applications:

- [Networks in Energy Automation - Module 2: Switching, Hacking and Protection](#)
- [Networks in Energy Automation - Module 3: Routing, Hacking and Protection](#)
- [Cyber Security in Energy Automation - Modul 4: Threat Scenarios for Industrial Networks](#)

For details please click on the links above.

Prerequisites

Fundamental terminology of IT network technology as covered in the one-day training

- [Networks in Energy Automation - Module 1: Principles](#)

Note

This course is part of a Curriculum. The respective e-test can be booked through on demand.

For the description of the follow-up course

- [Cyber Security in Energy Automation - Application and Exercises](#), which covers the content of
- [Cyber Security in Energy Automation - Basics](#)
- [Cyber Security in Energy Automation - Modul 6: Best Practice Engineering](#) und

This training can be booked as [VIRTUAL CLASSROOM Training](#) too.

CONTACT

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Type

Face-to-face training

Duration

5 days

Language

en

Fee

4,580 EUR