

Networks in Energy Automation - Module 3: Routing, Hacking and Protection (NT-3ROHS)

Objectives

To understand the distinctive features of automation system networks and their specific routing requirements; to apply theoretical knowledge in a LAB environment, using a typical network of automation units, like SIPROTEC and SICAM RTUs; to investigate redundancy requirements and possible security issues.

Target Group

Engineers and project leaders who are involved into the design of automation systems.

Content

Routing Basics (Layer-3)

- LAB: Static Routing (Cisco/RUGGEDCOM)

Dynamic Routing (RIP, EIGRP and OSPF)

- LAB: dynamic routing OSPF (Open Shortest Path First)
- LAB: OSPF Vulnerabilities and Hardening

Layer-3 Redundancy: VRRP (Virtual Router Redundancy Protocol)

- LAB: VRRP (Cisco/RUGGEDCOM)
- LAB: VRRP Vulnerabilities and Hardening

Prerequisites

Basic knowledge of network and automation technology is necessary.

Note

Structure of the lecture: Theory 40 % / Practical Exercises (LAB) 60 %

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

CONTACT

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Type

Face-to-face training

Duration

2 days

Language

en