SIEMENS

Security in Industrial Networks with RUGGEDCOM - Virtual (IEN-RCOILMSECROX)

Global Reference

Security in Industrial Networks with RUGGEDCOM (IK-SECI-R)

Type

Virtual Instructor-led Learning

Duration and Continuing Education Units (CEU)

6 Hours (Schedule varies)
0 CEUs

Target Group

- Engineer

Short Description

This virtual course is for users who are involved with developing or sustaining networks in rugged environments – such as Electric Power, Transportation, Rail, and Defense markets, where RUGGEDCOM equipment is required. This includes, but is not limited to the following: • Application Engineers • Automation Engineers • Communication Engineers • Control Engineers • Operations or IT Network Engineers • Project Engineers • Substation Engineers • System Engineers

This online, instructor-led course is one of three certification courses offered under the Siemens Certified Professional for Industrial Networks (CPIN) program, which incorporate RUGGEDCOM products into the curriculum, ensuring students learn and test using products they use on a regular basis. The curriculum covers network solutions and how they connect to real time systems in theory and in practice.

Objectives

- Security in Industrial Ethernet Networks
- Understanding threats to the Industrial Ethernet Networks
- Security Defense-in depth approach
- Security measures and guidelines (best practices, industry driven)
- Protecting Control Networks (firewall, address translation (NAT))
- Site to Site and Remote access via VPN (IPSec)
- Hardening the RUGGEDCOM ROX Security
- Practical exercises using the RUGGEDCOM ROX product line

Content

- Protecting Industrial Networks
- Hardening the Switch
- Control Networks Protection
- Concealing Internal IP network Identity
- Building Virtual Private Networks
- Appendix – Commissioning (ROXII Platform)

Language

English