

## Switching & Routing in Industrial Networks with RUGGEDCOM - Virtual (IEN-RCOILMSWROU)

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### Global Reference

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Switching & Routing in Industrial Networks with RUGGEDCOM (IK-SWIROR)

### Type

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Virtual Instructor-led Learning

### Duration and Continuing Education Units (CEU)

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10 Hours (Schedule varies)  
0 CEUs

### Target Group

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- Engineer

### Short Description

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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

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- Switching in Industrial Ethernet Networks
- Redundancy in a Switched Network (Spanning Tree Protocol)
- Network segmentation with Virtual Local Area Networks (VLAN)
- Increasing bandwidth availability (Link Aggregation)
- Integrating Serial Protocols
- Diagnostics and troubleshooting
- Practical exercises using the RUGGEDCOM ROS and RUGGEDCOM ROX product line

### Content

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- Switching
- Routing

### Language

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English

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