SIEMENS

SIPROTEC 5 - Substation control & protection training including IEC 61850 with practical exams (SIP5-IPRAX)

Objectives

The participants will gain essential knowledge in parameterization of SIPROTEC 5 devices for control and protection of a small susbstation (1OHL and 2 TR feeders). During the exams, the complete devices will be parameterized and also an IEC61850 station will be built.

Target Group

Professional users from the energy sector and industry who deal with the planning, configuration, commissioning, maintenance and operation of control and protection devices and station automation systems with IEC61850-communication.

Content

• Configuration of the SIPROTEC 5 control and protection devices including: bay control units 6MD85, line protection 7SA8, transformer protectio 7UT8 and centralized BBP 7SS85
• Explanation of the protection algorithams used for this exam
• Configuration of the IEC 61850 station
• Configuring of the bay interlockings by using wired signals and GOOSE communication
• Configuring of protection reverse Interlocking by using GOOSE communication
• Testing of the control and protection systems by using the SIPROTEC Digital Twin
• Introduction of Commissioning, Testing and diagnostic-Tools of IEC 61850 Communication Networks

Prerequisites

• Good knowledge in DIGSI 5

Note

• Theory/Praxis: 10/90 %

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

4,540 EUR

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