
Omnivise E3000 Siemens generator / transformer protection and synchronization (K-ES-121)

Target Group

The participants learn the basics of synchro-nous generators, to operate the protection de-vices, functions of the components, basics of different protective functions and testing it with a secondary injection kit (OMICRON) and primary testing (generator model), as well as handling of the operation software DIGSI. Introduction to commissioning of the Siprotec V4 and/or V5 devices (V3 on request).

Content

Basics of synchronous generators
Digital protection devices from Siemens
Description and functions of protective functions and protection circuits
Introduction to the operating software DIGSI and OMICRON Testuniverse
Introduction to the commissioning documentation
Execution of a secondary injection test (OMICRON) with exemplary protective functions under use of the commissioning documentation (instructions, check lists, wiring diagrams, parameter lists) at a generator / transformer protection cubicle.
Execution of a primary check (generator model) with exemplary protective functions under use of the commissioning documentation (instructions, check lists, wiring diagrams, parameter lists) at a generator / transformer protection cubicle.
Exercises to hardware customization of SIPROTEC-devices
Exercises to firmware-updates of SIPROTEC-devices

Prerequisites

Target group: commissioning engineer /
service staff of a power plant
Requirements: Basic knowledge of electrical engineering
Number of participants: 2-4
Language: English
Duration: 10 days
Location:
Power Academy Erlangen
Virtual Classroom
Date: upon consultation

Type

Face-to-face training

Duration

10 days

Language

en