
Omnivise Electrical Solutions - Digital Protection for Generator / Transformer and Synchronization (K-ES-121)

Short Description

Engineering and testing of protection functions and the synchronization of generators

Target Group

The participants learn the basics of synchronous generators, to operate the protection devices, functions of the components, basics of different protective functions and testing it with a secondary injection kit (OMICRON) and primary testing (power plant model), as well as handling of the operation software. Intro-duction to commissioning of digital protection devices.

Content

- Basics of synchronous generators
- Description and functions of protective functions and protection circuits
- Introduction to the operating software of digital protection devices 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 digital protection devices
- Exercises to firmware-updates of digital protection 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

Classroom training

Duration

10 days

Language

en