

## SVC Power System Protection & Testing

Date

(\$)Fees

09 June -13 June 2024

SALALA

3200

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### Course Overview:

In theoretical , the towers feature distance and differential relays of different manufacturers and enable realistic test situations by simulating the bays related to the relays.

**Upon completion of this course, students will be able to:**

- Perform commissioning, trouble-shooting and periodic tests of protection relays
- Test overcurrent, distance and transformer differential relays with the SVC Test Universe
- Create and modify automated test plans and customized test reports
- Use the SVC Test Universe from scratch

### who should attend?

Technical staff from utilities, transmission and distribution networks, railway grids, service companies and manufacturers involved in protection testing

### Course Outlines:

- Quick current and voltage output for easy wiring tests
- Configuration of the test object parameters and the test hardware
- Creating test plans which adapt automatically to newly entered relay settings
- Creating a flexible test plan for over current relays including testing pick-up values and trip times
- Hands-on testing of the over current protection function
- Creating a flexible test plan for distance relays including testing the trip times and zone reaches as well as switch on to fault (manual close) and auto-reclosing
- Hands-on testing of distance relays
- Creating a flexible test plan for transformer differential relays including testing the stability during external faults, the tripping characteristic, the trip times and the harmonic restraints
- Hands-on testing of transformer differential relays

### Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies

- Workshops
- Simulation



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