The aim of this course is to present general protection principles and relay settings in the medium voltage distribution network.

Objectives

After this course the participant will be able to:

− The type of faults appearing in powers systems
− Different protection principles
− Parameter setting calculation

Participant profile

Relay protection and maintenance engineers, system and sales engineer

Prerequisites

Basic knowledge of electrical engineering and protection relays

Topics

− Introduction to various protection applications in the distribution network
− Common faults in power system
− Current and voltage transformers for protection purposes
− Main operation principles of protection relays
− Overcurrent protection
− Earth-fault protection
− Transformer differential protection
− Motor protection
− Generator protection
− Disturbance recording
− Practical training with protection models (2 days hands-on training)