Protections and Local Control Command in HV Substations

TRAINING OBJECTIVE

Knowledge about protection against short-circuits and LV material in a substation

Ability to intervene safely on settings and automations of a substation

Length of the course: 5 days

PEDAGOGY

- Theoretical and practical training
- Individual testing of knowledge at the beginning and end of the course
- Possibility to accompany onsite interventions
- Enhance customer experience feedback
- Summary of the course animated by a manager

TRAINING PROGRAM

- Refresher course on electrical engineering
- LV components of substations (cells, transmissions, state recording etc.)
- Substation functioning
- The principles of different relays and their functioning
- The choice of protections (minimum of impedance, differentials,max currentetc.)
- The protection plan and the definition of settings (calculation, and orientation etc.)
- Interactivity between HV and MV
- Different types of instrumentation and control (electromechanical engineering, 1975 plan , numerical etc.)
- The transmission of orders and information
- Recording of events, incidents and disturbances (analogue recording)
- The rules of access to HV substations (workers security)
- Maintenance and interventions on protections
- Going digital (optional)