Course description

**INTCV611**
Relion® 610 Series - Operation & Engineering

**Course goal**
The aim of this course is to familiarize the participants with the operation, setting and engineering of Relion® 610 series IEDs by using REF610 feeder protection relay.

**Learning objectives**
After this course the participant will be able to:

- Perform all the basic operations from the local HMI (Human Machine Interface)
- Read and clear events, disturbance records, fault records and alarms
- Manage the relay settings from LHMI and software tool
- Upload disturbance recordings from software tool
- Handle Relion®610 series relays

**Participant profile**
System engineers and technical personnel who want to learn operation and engineering of Relion® 610 series relays.

**Prerequisites**
Participants shall have good knowledge of protection relays and the electrical network to be controlled.

**Topics**
- Introduction to REF610, REU610, REM610
- Hardware, features and application of Relion®610 series relays
- Local HMI
- Setting of the relay (LHMI & PCM600)
- Setting and reading the disturbance recorder
- Hands on training of Relion® 610 series relays

**Course type and methods**
This is an instructor led seminar with class room lectures, demonstrations, application and hands on practice. The language of the course is English.

**Course duration**
The duration of the course is two days.