Course description

INTCN110
Introduction, Operation & Maintenance of Limited Product - VHA/VHE/UniSafe – Level 1 - Basic

Course goal
The goal of the course is to familiarize the students with air insulated switchgear type (limited product range): VHA or VHE or UniSafe. It covers design variants, technical parameters, interlocks & its operation.

Learning objectives
Upon completion students will:
- Become conversant in fundamentals of switchgear design, construction & application.
- Become conversant in technical parameters of switchgear.
- Understand the standard interlocks.
- Understand the operation principle of the switchgear, circuit breaker & earthing switch.

Participant profile
This course is designed for technicians, operators & engineers (less than 5 years’ experience) responsible for the maintenance, testing and consultation of industrial and utility substations.

Prerequisites
This course is set up for beginners in air insulated switchgear maintenance, operation & servicing. Students shall have basic knowledge of circuit breaker & switchgear.

Topics
- Introduction.
- Features & construction of switchgear & applicable circuit breaker.
- Operation of switchgear with circuit breaker.
- Interlocks & locking facility.
- Overview on protection, control & communication.
- Control schematics.
- Practical exercise on sample switchgear & circuit breaker.
- Safety: safe work procedures, and usage of personal protective equipment.
- Manufacturer recommendation for maintenance.
- Overview on PowerCare & MyRemote Care tools.
- Case study.

Course type and methods
This is an instructor led seminar with class room lectures, demonstrations & factory visit. The language of the course is English.

Course duration
The duration of the course is two days.