Course description

INTCN111

Introduction, Operation & Maintenance of Limited Product - VHA/VHE / Unisafe – Level 2

Course goal
The goal of the course is to learn operation, installation pre-requisites and basic maintenance of air insulated switchgear type (legacy product range): VHA or VHE or UniSafe.

Learning objectives
Upon completion students will:
- Become conversant in fundamentals of switchgear design, application and construction
- Do the basic maintenance for switchgear & apparatus.
- Understand the best practice for site testing.
- Become conversant in basic trouble shooting.
- Ensure the safe operation of switchgears.

Participant profile
This course is designed for service engineers, operation & maintenance personnel & consultants.

Prerequisites
This course is set up for engineers experienced in switchgear maintenance, operation & servicing. Students shall be able to operate the switchgear.

Topics
- Introduction.
- Features & construction of switchgear & applicable circuit breaker.
- Specification & applicable standards.
- USP – Value to Customers.
- Operation of switchgear with circuit breaker.
- Overview on protection, control & communication.
- Control schematics.
- Practical exercise on sample switchgear.
- Safety: Safe work procedures, and usage of personal protective equipment.
- Manufacturer recommendation for maintenance.
- Installation pre-requisites.
- Interpanel connections.
- Best practice of on-site testing & interpretation of results.
- Common problem & trouble shooting.
- Relay setting, operation & handling of disturbance records & events.
- 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 three days.