Course description

INTCN103
Operation, On-site Testing & Pre-requisites of Installation of AIS-UniGear ZS1/ZS2/ZN1-Level 2

Course goal
The goal of the course is to learn operation, installation pre-requisites and basic maintenance of Air Insulated Switchgear type: UniGear ZS1 or UniGear ZS2 or ZN1.

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

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.