Course description

INTCN102
Introduction, O & M of Air Insulated Switchgear- UniGear ZS1/ZS2/ZN1– Level 1 - (Basic)

Course goal
The goal of the course is to familiarize the trainees with Air Insulated Switchgear type: UniGear ZS1 or UniGear ZS2 or ZN1. It covers 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.