Course description
INTCN108
Introduction & Operation of Compact Secondary Substation – Level 1 - Basic

Course goal
The goal of the course is to familiarize the trainees with Compact Secondary Substation. It covers technical parameters, interlocks & operation, different layouts.

Learning objectives
Upon completion students will:
- Become conversant concept of CSS & its advantages over conventional substation
- Become conversant in fundamentals of its construction, different layouts and application
- Become conversant in technical parameters CSS
- Understand the standard interlocks

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 CSS maintenance, operation & servicing. Students shall have basic knowledge of switchgear.

Topics
- Introduction
- Features, construction & different layouts
- Overview on hermitically sealed transformers
- Operation of RMU with circuit breaker and load break switch
- Interlocks & padlocking facility
- Overview on protection, control & communication
- Control schematics
- Practical exercise on sample CSS
- 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.