GRID AUTOMATION TRAINING

Product integration with Relion 670/650 series, IET600 and MicroSCADA Pro 9.x
Course SEP820

Course goal
The goal of this course is to learn the basics of Product Integration with MicroSCADA Pro based on an IEC 61850 system.

Learning objectives
Upon completion of this course, the participants should have knowledge about:

- Preparation of SCD file for creation of MicroSCADA database
- OPC server/client configuration
- Data base engineering with SCL importer tool
- Process display engineering
- OPC DA client engineering
- System self-supervision engineering
- Scale factors

Participant profile
This training is targeted towards system integrators and others who already know the fundamentals of protection and control relay theory and who have a desire to learn how to integrate the products with MicroSCADA Pro on IEC 61850.

Prerequisites
Participants should know the fundamentals of working with control and protection systems and electrical power networks. Furthermore, they should have participated in course PCM600 (SEP601), IEC 61850 (SEP800) and Bay control 670/650 (SEP660) courses.

Also, be aware that all scheduled courses will be in English.

Topics
- OPC server/client
- System configuration
- Database engineering
- Process display engineering
- OPC DA Client engineering
- Time synchronization
- System self-supervision
- Scale factors

**Course type and methods**

This is an instructor-led course with interactive classroom discussions and associated exercises. Approximately 60% of the course is hands-on activities. During the exercises the Relion 670/650 series will be used.

**Duration**

The duration of the course is 3 days.