

COURSE NO.

DIGS-001

COURSE NAME

Digital Substation Technology

OBJECTIVES

Allow the participants to master the concept, application, technology and characteristics of digital substation.

COURSE DESCRIPTION

1. Describe application and characteristics of digital substation
2. Explain the typical system and network structure of process bus for GOOSE and SMV
3. Fundamentals of IEC-61850 series standards, includes information models, communication services and mappings to MMS etc.
4. Configure the sending and receiving data via GOOSE with PCS-EXPLORER software and export ICD file by PCS-EXPLORER
5. Configure the GOOSE and SMV input signals for each IED with SCL configuration tool

CUSTOMER BENEFITS

Upon completion, the course will provide

1. Broad idea over Digital substation and standards
2. Wide range of theoretical & practical coverage
3. Maximized equipment performance and enhanced station operation for customer
4. Reduced & hassle free operation over traditional substation

RELATED PRODUCTS

1. Protection and Bay Control Unit
2. Circuit Breaker Controller
3. Merging Unit

PREREQUISITES

Good knowledge over electrical power system
General knowledge of digital substation.

TRAINING METHODS

40 % theoretical / 60 % practical,
Lecture, Demo and Practice

DURATION

5 days

