

# Training program IEC61850

## IEC61850 in Straton

### Program

#### Day 1:

##### Morning:

- General presentation of Straton
- Straton Installation and add-ons
- Discovery of the standard IEC61850
- Architecture
- Data Model
- Mandatory fields

##### Afternoon:

- SCL Editor
- Server Configuration
- Test with Straton client tool
- Dataset, Report Control Block, Trigger Options
- Client Configuration

#### Day 2:

##### Morning:

- Control Model
- Client Command
- GOOSE Publisher
- GOOSE Test with client tool
- GOOSE Consumer

##### Afternoon:

- What are TICS, PICS, MISCS and PIXIT
- Practice project

### Learning objectives

Understand and manage to configure simple IEC61850 server and client with Straton, discover and understand possibilities and limitation of the protocols, know-how to identify potential issues.

### Implementation

The theoretical talks represent approximately half of the training course and are followed of practical exercises making it possible to concretize the theoretical concepts.

### People concerned

Technicians and engineers of the Services having in charge setting up an IEC61850 compliant installation.