

# Training program IEC61850

## IEC61850 with straton

### Program (2 days)

**Day 1:**  
**(9:00 AM to 17:00 PM – including the lunch break)**

**Morning:**

- General presentation of straton
- straton Installation
- Discovery of the IEC61850 standard
- Architecture
- Data Model

**Afternoon:**

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

**Day 2:**  
**(9:00 AM to 17:00 PM – including the lunch break)**

**Morning:**

- Control Model
- Client Command
- GOOSE Publisher
- GOOSE Test with Wireshark
- GOOSE Consumer

**Afternoon:**

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

## Objectives of the training course

At the end of this training, participants will be able to understand the configuration of a simple IEC61850 Server and Client with straton; understand possibilities and limitation of the protocols, and have the know-how to identify potential issues.

## Training methods

The theoretical talks represent approximately half of the training course and are completed by 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. Participants must have basic knowledge in automation and straton environment on Windows.

## Prerequisites

The people who will follow this training must have basic knowledge in Windows, automation and programming in IEC61131-3 (ideally with straton).

## Evaluations

The training ends with a 30 questions quiz allowing to ensure, together, that the different concepts presented during the training are understood.

## Access

If the training takes place in our office, those are accessible by foot and by car:

STRATON AUTOMATION  
Rue Du Sextant  
38130  
Echirolles, France

Using public transports, the train station of Echirolles is at 5mn of the office by foot.

The training rooms are accessible by wheelchair.

If you have a handicap, please contact us at +33 (0)4 38 26 00 75