

# T324

## System 800xA for MOD300 Configuration

### Course goal

The goal of this course is to learn the engineering for the full integration (horizontal and vertical) of IEC 61850 devices into the Extended Automation System 800xA. This means integration through OPC directly to the HSI for status information such as Asset Optimization and integration to the AC 800M controller for demanding/fast applications such as Power Management. The .scd file, generated by the Substation Automation engineering group, is going to be imported and all necessary configurations done.

### Learning objectives

Upon completion of this course, the participants will be able to:

- Plan an appropriate architecture for a system 800xA with MOD300 Connect
- Install the MOD300 Connect software
- Navigate in the system and create new objects / aspects
- Configure and maintain the communication between 800xA and MOD300 controllers
- Configure and modify graphic displays, faceplates and graphic elements
- Manage and configure alarm and events
- Configure historical data collection and trends
- Configure time synchronization
- Create and customize a workplace
- Configure user accounts and describe how access rights work
- Save and restore data

### Participant profile

This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

### Prerequisites

Students should have attended the MOD300 configuration course B425 or have knowledge and experience associated with the content of the courses.



### Topics

- System 800x architecture for MOD300
- MOD300 Connect installation
- Plant Explorer introduction
- Controller communication and Database integration
- Graphic Displays
- Faceplates
- Alarm and Events
- Historical data collection
- Trends
- Time synchronization
- Workplace configuration
- Security
- Backup and restore

### Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

### Course duration

The duration is 5 days.

# T324

## System 800xA for MOD300

### Configuration

## Course outline

### Day 1

---

- Course information
  - System 800xA architecture for MOD300
  - Plant Explorer introduction
  - MOD300 Connect installation
- 

### Day 2

---

- Controller communication
  - Faceplates
  - Graphic displays
- 

### Day 3

---

- MOD300 Standard displays
  - Alarm and Events
  - Historical data collection
- 

### Day 4

---

- Trends
  - IEC 61850 object types enhancement Time synchronization
  - Workplace configuration
  - Security
- 

### Day 5

---

- Backup and Restore
- Optional topics