

## Course description

# T320

# System 800xA for Advant Master Configuration

## Course goal

The goal of this course is to learn the installation, configuration and maintenance of the Extended Automation System 800xA with Advant/Master controllers.

## Learning objectives

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

- Plan an appropriate architecture for an 800xA system with Advant/Master controllers
- Install the System 800xA for Advant Master software
- Navigate in the system and create new objects and aspects
- Configure and maintain the communication between 800xA and Advant/Master controllers
- Configure process graphic displays and define navigation links
- Modify faceplates and create graphic elements
- Manage and configure alarm and events
- Set up historical data collection and configure trend displays
- Configure time synchronization
- Create and customize Operator Workplaces
- Configure user accounts and describe how access rights work
- Backup and restore System 800xA data
- Create simple reports using MS Excel Data Access

## 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 AC400 configuration course A331 or have knowledge and experience associated with the content of this course.



## Topics

- System 800xA architecture
- System 800xA for Advant Master installation
- Plant Explorer
- Controller communication and Database integration
- Plant modeling
- Graphic displays
- Graphic elements
- Faceplates
- Alarm and events
- Historical data collection
- Trend displays
- Operator Workplace
- User security
- Time synchronization
- Backup and restore
- Simple reports

## 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.

## Duration

The duration is 4 days.

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### Course outline

Day 1	Day 2	Day 3	Day 4
<ul style="list-style-type: none"><li>■ Course overview</li><li>■ System 800xA architecture</li><li>■ Plant Explorer</li><li>■ Installation and system handling</li><li>■ Controller communication</li></ul>	<ul style="list-style-type: none"><li>■ Plant modeling</li><li>■ Graphic displays</li><li>■ Graphic elements</li><li>■ Faceplates</li></ul>	<ul style="list-style-type: none"><li>■ Alarm and events</li><li>■ Historical data collection</li><li>■ Trend displays</li><li>■ Status list</li></ul>	<ul style="list-style-type: none"><li>■ Operator Workplace</li><li>■ Security</li><li>■ Time synchronization</li><li>■ Backup and restore</li><li>■ Simple reports</li></ul>