

## 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 for Advant or 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.
- Install System 800xA for Advant Master Software.
- Navigate in the system and create new objects / aspects.
- Configure and maintain the communication between System 800xA and Advant controllers.
- Configure process graphic displays and define navigation links.
- Modify faceplates and create graphic elements.
- Manage and configure alarm and events.
- Set up the 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 AC 400 configuration course A331 (course AC 400 for AC 100) or have knowledge and experience associated with the content of these courses.



## Topics

- System 800xA architecture for Advant Master
- System 800xA Advant Master installation
- Plant Explorer / Engineering Workplace
- Controller communication and Database integration
- Plant modelling
- Graphic Displays PG2
- Graphic elements
- Faceplates PG2
- 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 5 days.

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### Course outline

#### Day 1

- Course Overview
- System 800xA Architecture for Advant Master
- Operation
- Plant Explorer Introduction
- System Handling/Installation

#### Day 2

- Controller Communication
- Plant Modelling
- Graphic Display PG2

#### Day 3

- Graphic Elements
- Faceplates PG2
- Alarm and Events

#### Day 4

- Historian and trends
- Status/Quick List
- Work Place Configuration
- Security

#### Day 5

- Time Synchronization
- Backup and Restore
- Simple Reports