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.
Course description

T320
System 800xA for Advant Master Configuration

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