

Course description

IN-T320

800xA For Advant Master Engineering Course

Course goal

The goal of this course is learn the configuration & maintenance of the Extended Automation System 800xA for Advant Master with hands-on lab activities.

Learning objectives

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

- Perform certain hardware checks on AC450 controller
- Communicate with Advant 100 Engineering Station
- Navigate in the system & create new objects /aspects.
- Database Management
- PC Program Management
- Communication – MB 300
- Configure & modify Graphic Displays.
- Manage & configure Trends, Alarms & Events
- Create & customize a workplace.
- Save & Restore backup

Participant profile

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

Prerequisites

The student should have a fair understanding of the basics of control systems, Instrumentation and process control.



Topics

- Course Introduction
- Basics of Process Control
- Architecture of 800xA for Advant Master
- Hardware Details of AC450
- Database Management
- PC Program Management
- Communication
- Graphic Display
- Trends, Alarms & Events
- Backup & Restore
- General Troubleshooting tips

Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises.

Duration

The duration of the course is five days.

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Course outline

Day 1	Day 2	Day 3	Day 4	Day 5
<ul style="list-style-type: none">■ Course overview■ Architecture of 800xA for Advant Master■ Hardware of Controller Panel & power supply■ CPU modes	<ul style="list-style-type: none">■ S-100 & s-800 I/O module■ Communication with AC450 controller■ Basic commands on Adva build software■ Database management	<ul style="list-style-type: none">■ Introduction to PC concepts■ Structure of PC dimensioning, insertion, connection, execution and modification of PC programs■ PC program management	<ul style="list-style-type: none">■ Plant explorer■ Graphic displays■ Alarms & events■ Trends■ Workplace configuration	<ul style="list-style-type: none">■ General troubleshooting tips■ Import and export■ function chart builder■ backup & restore

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