T310
System 800xA
Operation

Course goal

The goal of this course is to learn how to operate and navigate in the Industrial IT Extended Automation System 800xA.

Learning objectives

Upon completion of this course, the participants will be able to:
- Explain the System 800xA architecture and the function of the different components
- Navigate in a standard Operator Workplace by using Aspect Objects technology
- Read and interpret information from different process displays
- Create operator notes
- Monitor and control standard process objects such as motors, valves and PID loops through faceplates
- Interpret information on interlocks
- Handle alarm and event lists
- Acknowledge alarms
- Describe the principles of historical data logging
- Operate trend displays and interpret the information
- Monitor and control sequences based on Sequence Function Charts
- View and print reports
- Log in as different users
- Use some basic system monitoring tools

Participant profile

This training is targeted to operators.

Prerequisites

Students shall know the fundamentals of working with Control Systems and have basic knowledge of Windows XP and networking technologies.

Topics

- Course introduction
- Introduction to System 800xA
- Operator Workplace
- Navigation
- Process control
- Basic control objects
- Alarm and events
- Trending
- System monitoring

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 usual duration is 2 days.

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Course outline

Day 1

- Course overview
- Introduction to System 800xA
- Operator Workplace
- Navigation
- Process control

Day 2

- Basic control objects
- Alarm and events
- Trending
- System monitoring

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