

T310

System 800xA Operation



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

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.

Student Profile

This training is targeted to operators.

Prerequisites

Students shall know the fundamentals of working with Control Systems and have basic knowledge of Windows Server 2012 R2 Standard and networking technologies.

Course 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

Main topic

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

Duration

The duration is 2 days

Course Outline

Day 1	Day 2	Day 3	Day 4	Day 4
Course overview	Basic control objects			
Introduction to System 800xA	Alarm and events			
Operator Workplace	Trending			
Navigation	System monitoring			
Process control				
