

# T338

## AC 800M with Select I/O



The goal of this course is to learn the planning, configuration, and commissioning of automation solutions with AC 800M with Select I/O and S800 I/O in the 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 application and instrumentation engineers, commissioning and maintenance personnel, service engineers and system integrators.

### Prerequisites

Students should have attended the Engineering course T315 or have knowledge and experience associated with the content of this course.

### Course objectives

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

- Explain the topology of a System 800xA with AC 800M and Select I/O
- Explain the fundamentals of xStream Engineering
- Configure the Select I/O hardware
- Configure and commission of Select I/O with a Signal List.
- Explain and execute a Loop Check with Select I/O

- Plan and design a network for PROFINET
- Execute maintenance for Select I/O
- Use HART Devices with Select I/O
- Use Signals in Control Builder M and Function Designer.
- Use the Import/Export Tool for Soft Marshalling

### Main topics

- System 800xA topology with AC 800M and Select I/O
- Workplaces
- Hardware
- Loops
- Engineering and Loop Check Concept
- XStream Commissioning
- Hardware Engineering
- Signal List
- Loop Check
- Export/Import
- Device Management for HART
- Soft Marshalling
- Engineering with Signals
- Network
- Maintenance and Troubleshooting
- FIM Dignostics

### Duration

The duration is 2 days

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## Course Outline

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### Day 1

- Course overview.
- System 800xA topology with AC 800M and Select I/O
- Workplaces
- Hardware
- Loops
- Engineering and Loop
- Check Concept
- Hardware Engineering

### Day 2

- Signal list.
  - Export / Import
  - Device Management For HART
  - Soft Marshalling
  - Engineering with Signals
  - Network
  - Maintenance and Troubleshooting
  - FIM Diagnostics
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