

Course description

GBW308

System 800xA with AC 800M Hardware troubleshooting

Course goal

This workshop provides an overview of System 800xA and AC 800M hardware. Attendees will be introduced to terminology used to refer to the various software and hardware components of the control system. Time during the afternoon session allows tools and methods learned to be applied.

Learning objectives

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

- Have an understanding of the System 800xA architecture, including the function of different components
- Understand basic operation within System 800xA
- Know how to handle alarms
- Load the controller, and work in online mode
- Troubleshoot and exchange AC 800M hardware
- Troubleshoot PROFIBUS and ModuleBus communication to S800 I/O's
- Understand how graphic displays, faceplates and operator workplaces display information
- Trace alarms from the operator workplace down to control logic
- Use system diagnostic tools

Participant profile

This training is targeted to mechanically or electrically orientated first level maintenance personnel.

Prerequisites

Delegates will preferably have knowledge of, or experience with, control systems or instrumentation.



Topics

- Course introduction
- System 800xA architecture
- Operation
- AC 800M hardware
- Control Builder M overview
- Alarm and events
- Hardware troubleshooting
- Signal/fault tracing
- Diagnostic tools

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 1 day.