
COURSE DESCRIPTION

CHT314 – System 800xA Basic Configuration with AC800M

Course goal

The goal of this course is to learn the basic configuration of the Extended Automation System 800xA in the field of Power Generation Applications.

Main learning objectives

The participants will be able to:

- Explain the System 800xA architecture and the function of the different components
- Modify existing application programs by using Function Block Diagrams, Sequential Function Charts, Structured Text and Control Modules
- Navigate in the system and create new objects / aspects
- Describe the structure of application programs i.e. variables, libraries, programs, tasks
- Troubleshoot the OPC connectivity to AC800M
- Configure the AC 800M hardware and corresponding I/O's
- Load the controller and work in online mode
- Modify graphic displays
- Manage and configure alarm and events
- Monitor trends and configure historical data collection
- Import / export System 800xA data

Participant profile

This training is targeted to System 800xA users who need to learn the fundamentals in order to form a foundation for maintenance and administration skills. If more comprehensive engineering skills are needed, it is recommended to consider CHT315 instead.

Prerequisites

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

Topics

- System 800xA architecture
- Engineering and Operator Workplace
- Application structures
- AC 800M Hardware and OPC connectivity
- Applications with Function Block Diagram (FBD), Structured Text (ST) and Control Modules (CM)
- Sequential Function Chart (SFC)
- Alarm and Events
- Historian and Trends
- Graphic Displays
- Operator Workplace
- Function Designer
- Import / export

Course type

This is a face to face class room training with maximum 8 participants.

Learning methods and tools

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities. **Laptop** or tablet is required to have access to the e-documentation.

Duration

5 days

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course schedule can be found on our

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