

Course description

T360e

System 800xA with AC 800M Basic Engineering for Channel Partners

Course goal

The goal of the course is to get an introduction about the basic concepts around System 800xA and to learn about the main tools used (Control Builder and Engineering Workplace). This enables the students to acquire the required basic knowledge to attend the classroom training course T360.

Learning objectives

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

- n Explain the System 800xA architecture and the function of the different components
- n Describe the client / server principles
- n Use the Configuration Wizard
- n Describe the AC 800M hardware components and possible ways of I/O connections
- n Set up the communication to the controller and download the firmware
- n Navigate in the Engineering Workplace and describe the system structures
- n Create objects and aspects
- n Describe the licensing mechanism
- n Navigate in the Project Explorer and structure the controller application
- n Explain the multi-user engineering

Participant profile

This training is targeted to project and technical sales support engineers from ABB channel partners.

Prerequisites

Students shall have working experience with Control Systems and have basic knowledge of Windows XP. An Internet connection is required; the recommended browser is Microsoft Internet Explorer 7.0 or later.

Topics

There are nine learning units on this course, followed by a common course evaluation. Each of the learning units includes a short exam at the end.

- n System 800xA architecture
- n System 800xA concepts
- n AC 800M hardware
- n Set up the controller
- n Engineering Workplace / Plant Explorer
- n Aspects and objects
- n Software maintenance
- n Control Builder introduction
- n Program Organization Units (POU) editor

Course type and methods

This is a web-based training course, accessible through the ABB Learning Management System (LMS). The course includes self-study material, recorded live demonstrations and interactive questionnaires to validate the knowledge.

Duration

The duration of the course depends on the participants personal background knowledge and study pace. The course content is equivalent to about half a day of classroom training.

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