

Course description

T365e

Compact Control Builder AC 800M Getting Started with Tutorials

Course goal

The goal of the course is to get a first introduction about Compact Control Builder which is the main tool to configure applications for an AC 800M controller. Students will learn how to create a small control application and download it to the controller.

This course is typically followed by classroom training, where students get the hands-on experience and a deeper understanding of the Compact Control Builder capabilities in order to use it efficiently.

Learning objectives

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

- Install the Compact Control Builder software on computer
- Set up the AC 800M hardware
- Create a new Control Project
- Explain how to create a simple function block type
- Describe the principles of instantiating an object type in a program
- State how to test the control logic off-line
- Configure the hardware in the application and connect I/O signals
- Upgrade the controller firmware
- Set the IP address of the controller
- Download the project and go on-line

Participant profile

This training is targeted to project and application engineers, commissioning and maintenance personnel, service engineers and technical sales support people.

Prerequisites

Students shall have working experience with Control Systems and have basic knowledge of Windows Operating system.

An Internet connection is required; the recommended browser is Microsoft Internet Explorer 7.0 or later.



Topics

There are several learning units on this course, followed by a common course evaluation.

- Set up the AC 800M hardware
- Install the Compact Control Builder software
- Create a Control Project
- Create a function block type
- Test the control logic
- Configure the I/O signals
- Upgrade controller firmware
- Set the IP address of the controller
- Define the IP address in the application
- Download and go on-line

Course type and methods

This is a web-based training course, accessible through the ABB Learning Management System (LMS) and the course includes self-study material.

Course 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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