T530 Configuring AC800M using Compact Control Builder

Course Duration

The duration is 5 days.

Course Type

This is an instructor led course. Approximately 50% of the time is used for hands-on labs and exercises.

Course Goal

The course goal is to teach the students to configure an AC800M controller using Compact Control Builder.

Student Profile

This training is targeted to Control Engineers, Service Engineers and Maintenance Engineers.

Prerequisites and Recommendations

Students should have basic knowledge of controller configuration or programming, and Windows XP.

Course Objectives

Upon completion of this course, students will be able to:

- Configure a project, using the Compact Control Builder, with one or several applications running in AC 800M

- Use Compact Control Builder to make connections between S800 I/O modules and the control logic.

- Use Compact Control Builder to implement control logic in an AC800M controller using a variety of IEC 61131-3 compliant languages

Main Topics

- AC800M, Compact Control Builder system architecture

- AC800M and S800 Hardware

- Creating a Compact Control Builder project

- Variables and data types

- Using IEC 61131-3 Programming Languages:
    o Function Block Diagram (FBD)
    o Structured Text (ST)
    o Sequential Function Chart (SFC)

- Task handling

- Connecting I/O

- Downloading of the project

- Creating and using Control Modules

- Projects with several applications/controllers

- MMS Communication

- Backup/Restore

ABB