**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:
  - Function Block Diagram (FBD)
  - Structured Text (ST)
  - 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

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