Learn to use Control Builder to engineer a complete control project using System 800xA with AC800M controllers.

**Course type and methods**
This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

**Student Profile**
This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

**Prerequisites**
Students should have fundamental working knowledge of control systems, Windows 7 and networking technologies.

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

- Explain the System 800xA architecture and the function of the different components
- Navigate in the system and create new objects
- Create a new control project and design applications using IEC6113-3 languages
- Configure the AC800M hardware and I/O’s
- Use standard library objects and develop project specific libraries and objects
- Setup the OPC connectivity to AC800M

**Main topics**
- System 800xA architecture
- Project and application structures
- AC800M hardware
- Libraries, variables and data types
- Function Block Diagram and Structured Text
- Task assignment and memory
- Control modules
- User defined object types
- Sequential Function Charts (SFC)
- Communication
- OPC connectivity

**Duration**
The duration is 5 days.
## Course outline

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### Day 5

- Communication
- OPC connectivity

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