T315C
System 800xA with AC800M Engineering Using Control Builder

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.

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Course outline

Day 1	Day 2	Day 3	Day 4
– Course overview	– AC800M hardware	– Structured Text	– User defined object types
– System 800xA architecture	– Project backup	– Task assignment and memory	– Sequential Function Chart (SFC)
– Engineering Workplace/Plant Explorer	– Libraries	– Control modules	
– Project and application structures	– Variables and data types		
– AC800M hardware	– Function Block Diagram		
	– Structured Text		

Day 5

– Communication
– OPC connectivity

To register contact the North America Customer Service Center
or visit our website.

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