



STARDOM w/ Fieldbus Training

Course 8200



Course Description

This course consists of lectures, demonstrations, laboratory exercises, and question and answer sessions designed to educate the student in the planning, design, and configuration of the STARDOM system with Fieldbus instruments.

Duration

5 days

Objectives/Outcomes

Upon completing the course, the learner will be able to exhibit the ability to:

- Create basic hardware configuration within the STARDOM system.
- Recognize the basics of Fieldbus Devices.
- Configure Fieldbus hardware in the STARDOM system
- Create basic control loops internal and external to the Fieldbus devices.
- Implement Stardom NPAS Fieldbus Blocks

Intended Audience

All System/Process Engineers or technicians that are responsible for performing or maintaining a STARDOM system incorporating Fieldbus technology.

Course Prerequisites

- Stardom Engineering – Course # 8000

Technical Requirements

- Basic file/folder manipulation in a Windows environment
- Previous knowledge of Fieldbus Technology would be beneficial

Materials

Each learner will be provided with the appropriate course workbook.



STARDOM w/ Fieldbus Training

Course 8200



Course Syllabus

Day 1-3

- Introduction to STARDOM
- System, hardware, and communication configuration
- Licensing and Application Portfolio Libraries
- Resource Configurator and I/O connection to Program Logic
- I/O import and Data Setting Tool
- Maintenance web page and Backup Utilities
- Control Application Structure
- Logic Designer Navigation and Structure
- Initial Project Creation, Configuration, and Management
- Project templates, Security and Import/Export
- POU's and worksheet components
- Variable Declaration and Elementary Data types
- Project Compilation and Upload/Download functionality
- Debug Mode, Watch Window, and Variable overwrite.
- Instantiation and Control Logic Execution.

Day 4-5

- Overview of Foundation Fieldbus Technology
- Hardware Connection of Fieldbus devices to the STARDOM system
- Introduction to STARDOM Fieldbus H1 and Engineering Tools
- Stardom / Fieldbus hardware configuration in Resource Configurator
- Using the Fieldbus Engineering Tool for Fieldbus segment configuration
- Device, Network, and FBAP configuration in Fieldbus Devices
- Parameter access using the Device Management Tool
- Replacing Fieldbus Devices and Tag / Address Re-assignment

Intellectual Property Rights

Yokogawa's Education Center owns unlimited exclusive rights to all works, including literary works, pictorial, graphic and sculptural works, architectural work, works of visual art and other work that may be subject matter of copyright protection; advertising and marketing concepts; information; data, formulas, designs specifications, and flowcharts; trade secrets; and any invention that may be subject matter of patent protection; and all statutory protection obtained or obtainable thereon.