COURSE DESCRIPTION

S311
SD Series hardware configuration

The goal of this course is to become familiar with the Symphony Plus SD Series architecture and related hardware components.

Participant profile
This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

It is also a prerequisite for students that are planning to attend the S312 course.

Prerequisites
Students shall have a basic knowledge of process control fundamentals. They should also have a basic understanding of Microsoft Windows operating systems.

Learning objectives
Upon completion of this course, the participants will be able to:
• Recognize the Symphony Plus system architecture and the function of the different components
• Establish SD Series network communication
• Recognize features and functions of SD Series controller family.
• Set Up SD Series controllers and load new firmware
• Understand the basics of S+ Engineering for control logic configuration
• Learn main Function Code categories
• Recognize features and functions of SD Series I/O modules
• Configure SD Series I/O Modules

Topics
• Symphony Plus system architecture
• SD Series plant network (PN800)
• SD Series controllers
• SD Series controllers’ firmware
• S+ Engineering Composer Harmony
• Control logic Function Codes categories
• SD Series I/O modules
• SD Series communication Interfaces
• Controllers online configuration

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.

Duration
4 1/2 days
## Agenda

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Hands-on lab: Exercises