SIEMENS

SIMATIC S7 System course part 2 (ST-S7SYS2)

Objectives

The course is intended for participants with technical training and in charge of installation, project execution and commissioning tasks. The knowledge acquired in the ST-S7SYS1 course is supplemented, enabling the participant to develop and commission comprehensive programmes himself.
This module can be completed with the appropriate practical ST-S7PRAC2.

Target Group

Commissioning and project implementation

Content

Commissioning and Project Execution
Contents Contents
Parameters, variables and structure in program blocks
Startup behavior of the S7 PLC
Programming parameterizable blocks with or without instance or multi-instance data block
Instance and multi-instance DBs, global data blocks and User Defined Types (UDTs)
Generating a program with a text editor and protection attributes
Configuration and parameterization of the CPU and the periphery
Analog value processing
Alarm-driven, time-driven and error-driven program processing
MPI communication and introduction to PROFIBUS DP

Prerequisites

Knowledge of the contents of the ST-S7SYS1 course

Note

All topics are explained using exercises with a programming device and a PLC in connection with a conveyor belt as a practice model.
- Hardware used: S7-300 / S7-400
- Software used: Step 7 V5.x classic

Type

Face-to-face training

Duration

3 days

Language

de, en, fr, nl