

SIMATIC S7 System course part 3 (ST-S7SYS3)

Objectives

This course is intended for participants with technical training and in charge of installation, project execution and commissioning tasks. The knowledge acquired in the ST-S7SYS2 course is expanded to include more complex functions in STEP7. After this module, the participant will be able to use the SIMATIC S7 PLCs even more efficiently. This module can be completed with the customized practical ST-S7PRAC3.

Target Group

Commissioning and Project Execution

Content

Status bit dependent instructions
Manipulation and interpretation of accumulators
Mathematical operations with floating point numbers
Complex parameters e.g. "date-and-time", "string", "pointer" and "any"
Indirect addressing and register indirect addressing
System functions, overview and use of SFCs
Structure and use of libraries
Data management with structures, arrays and multidimensional complex data types
Overview and use of SFBs for communication e.g. Get/Put and BSEND/BRCV

Prerequisites

Knowledge in accordance with the ST-S7SYS2 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

mu