

SIMATIC S7 System course part 1 (ST-S7SYS1)

Objectives

The course is intended for all application domains and for participants without specific knowledge of SIMATIC S7, who need to solve simple tasks with SIMATIC S7 devices.

This module can be completed with the adapted practical ST-S7PRAC1.

Target Group

Service, Commissioning and Project Execution

Content

Overview of the SIMATIC S7 family

Features of the automation system and the programming device

Installation and overview of the STEP7 software

Program structure and processing, overview of blocks, STEP7 addressing

Structuring, setting up, documenting and commissioning simple programs with STEP7

Basic knowledge of logical functions, timers, counters and comparison functions, conversion functions, mathematical functions and word operations

Absolute and symbolic addressing

Storing data in data blocks

Interpretation of system information from the PLC

STEP7 tools for program testing and diagnosis

Prerequisites

PC/Windows knowledge and basic knowledge of automation

Note

All topics are clarified 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

4 days

Language

mu