

SIMATIC S7 Commissioning and Troubleshooting with TIA Portal (TIA-SERV2)

Short Description

SIMATIC S7 Commissioning and Troubleshooting with TIA Portal

Objectives

You are familiar with the hardware structure and software program structure of the SIMATIC S7 systems. You also know the reaction of a system to internal and external errors, you can read more complex programs and recognize and resolve malfunctions. This course consists largely of doing exercises so that a lot of practical experience can be gained.

Target Group

This course teaches commissioning engineers and troubleshooting technicians how to locate and resolve faults in PLCs, hardware and software using the TIA Portal.

Content

The topics in this course are:

- hardware setup;
- topology setup and monitoring;
- PLC hardware failures;
- monitoring, modifying and forcing signals;
- introduction and commissioning of converter G120;
- installation and commissioning of a SIMATIC S7 system;
- applying trace function;
- introduction of organizational blocks for interrupt and error handling;
- training in an existing installation;
- search methods for errors in an existing installation;
- training in commissioning and troubleshooting through extensive exercises;
- making minor adjustments in PLC program;
- management of hardware and software

Prerequisites

Knowledge and skills acquired in the SIMATIC S7 System Course 1A [TIA Portal] and System Course 1B [TIA Portal].

Note

Trainer: English,
Course documentation: English
The planned courses can only proceed if there are sufficient registrations.

Type

Face-to-face training

Duration

5 days

Language

nl