

SIMATIC S7 Service Training 3 (ST-SERV3)

Short Description

You will reinforce your theoretical knowledge through numerous practical exercises on a SIMATIC plant model. This comprises an S7-300 automation system, ET200S distributed I/O, TP 177B Touch Panel, Micromaster 420 drive and a conveyor model.

Objectives

Building on the SIMATIC Service fundamentals, the focus here is on the use of STEP7 system functions as well as fault correction with STARTER software and WinCC flexible. You also start up PROFINET IO. What you learn about the integrated factory automation will teach you to take a holistic view of your plant and to understand the relationship between the individual components. On completion of the course, you will be able to safely diagnose and correct complex faults. The comprehensive understanding gained gives you new impetus and ideas for production optimization.

Target Group

Maintenance personnel
Service personnel
Operators

Content

Starting up a program for an assembly line
Integrating FCs and FBs
Possible applications of error organization blocks
Supplementing and analyzing diagnostics messages
Software troubleshooting
Starting up distributed I/O
Diagnosing faults on PROFIBUS DP
Diagnostics facilities with the "Starter" software
Starting up a project with WinCC flexible
Diagnostics facilities with WinCC flexible
Use of PROFINET IO with SIMATIC S7
Deeper understanding of contents through practical exercises on the SIMATIC S7-300 system model.

Included in the course price: Free access to the digital learning platform [SITRAIN access](#) – starting one week before the start of the course until two weeks after the end of the course. Here you will find web-based trainings on . Programming STEP 7 V5.x - Binary Signal Processing , and many more. With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

Prerequisites

SIMATIC S7 knowledge according to ST-SERV2 and practical experience in using the knowledge
You can use the online tests to find out whether you have sufficient prior knowledge to participate effectively in the course you wish to attend.

- [Online Assessment Test](#)

Note

In this course you will work with the SIMATIC STEP 7 V5.x software.

The Learning Membership starts 7 days before the start of the course and ends 14 days after the end of the course. During this period, you have access to all of the more than 480 web-based trainings available.

Type

Face-to-face training

Duration

5 days

Language

en