

## SIMATIC S7 Service 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

### 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.  
This blended-learning course combines Web-based training (WBT) on the Internet with a 5-day attendance course. For an optimized post processing of the attendance course you get the WBT "PROFINET". By using these learning media, you increase your personal learning success in the attendance course.

### Note

In this course you will work with the SIMATIC STEP 7 V5.x software.  
This is the third of three courses which will lead you to the exam for the "Siemens Certified Service Technician Level 2 (CP-FAST2)".  
The exam is a module of the "SITRAIN Certification Program".  
Exercises performed on SIMATIC S7-300.  
Documentation in English.  
Register in the calendar one week before the training starts.

### Type

Face-to-face training

### Duration

5 days

### Language

no

### Fee

NOK 15 800,-