SIEMENS

SIMATIC S7 Serviceausbildung 2 (ST-SERV2)

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

The second component of the SIMATIC Service course is linked to the first basic course with regard to STEP7, human machine interfacing, drive components and PROFIBUS DP, and it expands this in the direction of troubleshooting. The course focuses on fault correction, software troubleshooting and program adaptations.
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. This will enable you on completion of the course to pinpoint faults and correct them systematically and quickly. This will increase the productivity of the machine since standstill times are thus reduced. You will be able to adapt your system to new conditions through small program changes and expansions.

Target Group

Maintenance personnel
Service personnel
Operators

Content

Detecting and correcting basic hardware faults
Possible applications of different block types (FC, FB, OB, DB)
Principles of analog value processing
Using STEP 7 software for troubleshooting
Detecting and correcting software errors
Connecting distribute IO with PROFIBUS DP
Modifying the TP177B configuration
Modifying parameters of the MM420
Sequential Control System
Deeper understanding of contents through practical exercises on the SIMATIC S7-300 system model

Prerequisites

SIMATIC S7 knowledge according to ST-SERV1 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.

Type

Face-to-face training

Duration

5 days

Language

de