SIEMENS

SIMATIC S7 Service Training 2 (ST-SERV2)

Краткое описание

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.

Цели

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.

Целевая группа

Maintenance personnel
Service personnel
Operators

Содержание

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.

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.

Требования к участнику

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

Примечания

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.

Тип

Очный тренинг

Продолжительность

5 Дн.

Язык

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