SIEMENS

SIMOTION and SINAMICS S120 - Diagnostics and Service (MC-SMO-DG)

Kort beskrivelse

In this course, you learn to handle the motion control system SIMOTION and SINAMCIS S120 when a fault occurs. You can also adapt the control program when changes are made to the machine.

Målsetninger

You are responsible for the reliable operation of the SIMOTION automation system and the SINAMICS S120 drive system.
In this course, you learn the proper way to handle systems when a fault occurs. Based on prepared projects, you analyze signal interconnection and programming. Using projects with deliberate faults and errors, you identify and resolve faults.
After the course, you can more quickly resolve faults and in a focused fashion. You can adapt the control program when changes are made to the machine.

Målgruppe

Service engineers
Maintenance personnel

Innhold

Overview of the modules and components:
- SIMOTION automation system
- SINAMICS S120 drive system

Working with PC programs:
- SIMOTION SCOUT engineering software
- SINAMICS STARTER commissioning tool

Structure and configuration of a SIMOTION project:
- Axes, components and topology.
- Drive objects and technology objects

Establishing an online connection via PROFIBUS, PROFINET and Ethernet
Diagnostics with SIMOTION SCOUT and SIMOTION IT web browser
Analysis of enabling signals and signal interconnections
Recording signals with measuring functions and trace
Handling Safety Integrated when service is required
Procedure when replacing modules, motors and encoders
Introduction into programming when making adaptations in the case of service
Integration of SIMOTION SCOUT into the TIA Portal
Practical exercises on training equipment with SIMOTION D, SINAMICS S120, SIMATIC ET200S and SIMATIC TP177B

Forutsetninger

- Basic knowledge of automation with SIMATIC S7
- Basic knowledge of drive technology with SINAMICS

Øvrig informasjon

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 SINAMICS Converters as well as other topics. 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.

Type

Kurs

Varighet

5 dager

Språk

en

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