SIEMENS

SIMATIC Programming with S7-GRAPH in TIA Portal (TIA-GRAPH)

Lyhyt kuvaus

You can implement your theoretical knowledge in a direct, hands-on way on a TIA system model. This consists of a SIMATIC S7-1500 automation system, ET 200SP distributed I/O, Touchpanel, drive SINAMICS G120 and a belt model.

Tavoitteet

The Totally Integrated Automation Portal (TIA Portal) provides the working environment for end-to-end engineering with SIMATIC STEP 7 and SIMATIC WinCC. Select this course if you want to program SIMATIC S7 using sequential controls with S7-GRAPH.
Using simple examples, we will show you the advantages of the SIMATIC S7-GRAPH.
The course aims to inform participants about the complete language and performance scope of the sequential controls with SIMATIC S7-GRAPH development environment.
During the training course, you will create, commission, and test your own sequential controls programs. After the course, you will be able to reduce the amount of time spent on creating and maintaining programs through the use of SIMATIC S7-GRAPH.

Kohderyhmä

Programmers
Commissioning engineers
Engineering personnel
Maintenance personnel
Service personnel

Sisältö

Design, structure and methods of representation of sequencers with SIMATIC S7-GRAPH
Planning and configuring sequencers
Programming, documenting and starting up sequence blocks
Programming of interlocks and monitoring
Use of event-driven actions
Properties of simultaneous and alternative branches
Integrating manual mode
Test functions and diagnostics facilities
Deeper understanding of contents through practical exercises on SIMATIC S7-1500 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
TIA Portal - S7-GRAPH Introduction , 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.

Edellytykset

Knowledge of SIMATIC STEP 7 based on TIA Portal equivalent to the TIA-SYSUP, TIA-SERV1 or TIA-PRO1 course.

Muistiinpano

In this course you will work with the SIMATIC STEP 7 software based on TIA Portal.

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 available web-based trainings.

Tyyppi

Kasvokkain tapahtuva koulutus

Kesto

2 Päivää

Kieli

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