SIEMENS

Online-Training SIMATIC programming with S7-GRAPH in the TIA Portal (TIA-GRAPH)

Short Description

In this live online course, 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, ET200SP distributed I/O, Touchpanel TP700, drive SINAMICS G120 and a belt model.

Objectives

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.

Target Group

Programmers
Commissioning engineers
Engineering personnel
Maintenance personnel
Service personnel

Content

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

Prerequisites

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

Type

Online-Training

Duration

3 days

Language

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Fee

762 EUR
(price without 20% VAT)

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