

S7 - 1200 Systems Course (TIA-MICRO1) (TIA-MICRO1)

Short Description

This training imparts knowledge about the essential basics of the automation system SIMATIC S7-1200 and the engineering system SIMATIC STEP 7 Basic. During the training all topics are deepened by practical exercises with the automation system SIMATIC S7-1200, a Basis Panel and a conveyor belt model. So you are able to stabilize your theoretically know how. After finishing the course you may use your new automation system of Siemens, the SIMATIC S7-1200, effectively and you may implement your programs faster. So you save time and optimize your working input.

Objectives

The Totally Integrated Automation Portal (TIA Portal) for the SIMATIC S7-1200 system creates a working environment for integrated engineering with SIMATIC STEP 7 Basic and SIMATIC WinCC Basic.

In this first part of the SIMATIC TIA Portal S7-1200 training, you will learn how to use the TIA Portal, understand the basic structure of the SIMATIC S7-1200 automation system, configure and parameterize the hardware, and learn the basics of programming. You will learn how to troubleshoot simple hardware and software errors in the SIMATIC S7-1200 automation system and create, modify, and extend simple STEP 7 programs. This will help you reduce downtime. You will also receive an overview of operator control and monitoring.

Target Group

Programmers
Commissioning engineers
Engineering personnel

Content

- Presentation of the structure and operation of the SIMATIC S7-1200 controller
- Introduction to the TIA Portal programming environment: STEP 7 Basic and Wincc Basic
- Configuring and parameterizing the SIMATIC S7-1200 hardware
- Addressing and wiring signal modules
- Binary and digital operations in LAD and FBD
- Working with symbol tables
- Working with organizational blocks and data blocks
- Programming the HMI operator panel
- Performing hardware and user program diagnostics
- Saving and creating program documentation

Prerequisites

Experience in PLC maintenance / programming

Type

Face-to-face training

Duration

3 days

Language

pl

Fee

2,700 PLN
2 700 PLN