SIEMENS

TIA Portal Openness Programming 2 (DI-OPEN2)

Objectives

TIA Portal Openness is the API or programming interface provided with the TIA Portal, with which you can efficiently automate engineering tasks without using the TIA Portal itself. This includes tasks such as project management, configuration and parameterization of hardware, automatic generation of block code as well as various online functions.
You will get to know all these functions during this course. Using ready-made project blocks available in a library, you will:
• Learn what you need to do to use TIA Openness
• Create a project
• Create and adapt an S7-1500 with central and distributed I/O
• Provide an HMI with a variety of screens
• Generate a PLC program
• After appropriate preparation, fill the devices with the generated data
• Get to know other useful functions and ideas of implementing functions

Target Group

Programmers
Configuration engineers
Project planners

Content

• Digitalization - Industry 4.0
• Introduction to Visual Studio (as a short recap)
• Introduction to TIA Portal Openness and the Auto-save tool
• Working with libraries and projects in the TIA portal
• Adapting hardware through TIA Portal Openness
• Generation of PLC programs from library elements
• Increased flexibility by extending the existing program
• Programming ideas

Prerequisites

SIMATIC TIA Portal knowledge in the context of the trainings "Simatic TIA Portal programmering 2 för plc (TIA-PRO2)" or the training "Simatic TIA Portal uppdatering från Step 7 V5.4/V5.5 (TIA-SYSUP)"
Good programming skills in the C# programming language and in working with Visual Studio

Type

Face-to-face training

Duration

2 days

Language

en

Fee

14,600 SEK