SIEMENS

TIA Portal Openness Programming 2 (DI-OPEN2)

Short Description

TIA Portal Openness is the API or programming interface provided with 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.

Objectives

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

- Good TIA Portal knowledge
- Good programming skills in the C# programming language and in working with Visual Studio

Type

Face-to-face training

Duration

2 days

Language

en