
Efficient Working with Team Engineering in TIA Portal (TIA-TEAMEN)

Short Description

You would like to reduce your engineering effort and speed up the development of new machines? Team-work and agile development methods are the solution. In this course you will learn how you can efficiently work as a team in TIA Portal and optimally distribute the tasks.

Objectives

Using a practical example, you will learn how to work efficiently in the team in the TIA Portal environment. As well, you will know the concepts of team-oriented cooperation after this course and will be able to apply them in the TIA Portal environment.

The objectives of this course are:

- You will become familiar with the most important topics needed to prepare for working in the team.
- You will be able to structure the automation program according to functions and working groups.
- You will be aware of the advantages of using Multiuser Commissioning when downloading STEP 7 programs.
- You will be able to efficiently work together to develop a project in the team.
- You will be able to implement a commissioning in the team and you will become familiar with the advantages of distributed commissioning.
- You will become familiar with Multiuser Engineering and agile development in automation.

Target Group

Programmers
Commissioning engineers
Engineering personnel

Content

Modularization of the user program through software units:

- Structuring of the automation program, for example, according to functions and working groups
- Creation of UNITs and working with them in TIA Portal

Management, versioning and documentation of TIA Portal projects with the help of the TIA Portal project server:

- Setting up a project server for multiuser accesses
- Management of projects on the project server
- Starting and working with multiuser sessions
- Starting and working with exclusive sessions

Convenient commissioning in the team through Multiuser Commissioning:

- Advantages when downloading STEP 7 programs
- Working with asynchronous/synchronous commissioning

Straightforward integration of modifications in the common source code basis through Continuous Integration

Prerequisites

Basic knowledge of SIMATIC STEP 7 programming (Programming skills at the level TIA-PRO2 or TIA-SYSUP)

In-depth SIMATIC S7 and TIA Portal knowledge

Programming and utilization of functions and function blocks that can be parameterized.

Type

Face-to-face training

Duration

2 days

Language

de, en, fr, nl