SIEMENS

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. The special aspect: Through a mix of e-learning and classroom lecture, you can organize a large part of your learning process on your own and still re-inforce your theoretically learned knowledge through numerous practice-oriented exercises.

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.

Note

This course combines various courses of our e-learning platform SITRAIN access with a 3-day classroom training. The use of different learning methods enables you to organize a part of the learning units yourself and to adjust them individually to your needs. In this way, we can optimally use the important time in the classroom training for your advancement and increase the efficiency of your learning process.
The course package includes a license for SITRAIN access.
You will get detailed information with the invitation.
A registration for SITRAIN access is necessary for the training.

Type

Face-to-face training

Duration

3 days

Language

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