SIEMENS

Standardization in the TIA Portal for more efficiency and error-free machines / 基于 TIA Portal的项目标准化 (F4023)

Objectives

- In this course we will explain all aspects of standardization, especially the modularization of your automation system and show you how you can implement it.
- You will learn how you can create your own Style guide, how you efficiently manage your blocks, templates and interfaces in a TIA Portal library and how these blocks can be automatically tested. As well, we will discuss how you can set up and implement your own company library. Finally, you will become familiar with the aspects that are important for line standardization.
- The training course is characterized by a high practical portion; all contents are consolidated and reinforced through exercises in TIA Portal. Create the basis for your digitalization today.

Target Group

Decision makers, Project planners, Programming persons, Project designers, System integrators

Content

- Standardization — on the way to digitalization
- Advantages of standardization of PLC software
- Possibilities for implementing a standard
- Structuring the machine/system in individual functions/subfunctions as a basis
- Re-usability of program parts (according to IEC 61131 and Programming Guidelines)
- Creating a Style guide and automatically testing it
- Block modularization and automatically testing it
- Working correctly with libraries
- Creating a company library
- Standards in the visualization — HMI
- Standardized interfaces — OPC UA, TCP/UDP, …
- Principles of line standardization

Prerequisites

Basic knowledge in TIA Portal, TIA Portal Programming

Type

Face-to-face training

Duration

3 days

Language

zh

Fee

5,800 CNY