

SiVArC - Options of Automatic Visualization Generation

OEM: Siemens • Code: TIA-SIVARC

COURSE DESCRIPTION

How do you achieve plant-wide standardization of the visualization of user interfaces with a significant reduction in engineering effort? With SiVArC – by automatically generating and creating visualizations based on the program code of the controller and visualization objects within the framework of overarching library concepts.

AUDIENCE PROFILE

- Programmers
- Configuration engineers
- Commissioning engineers

PREREQUISITES

- Knowledge of SIMATIC STEP 7 and WinCC Unified in accordance with TIA-PRO2, TIA-UWCC1, TIA-UWCC2

Note

- In this course, you will work with the SIMATIC STEP 7 and WinCC Unified software based on TIA Portal.

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- You will configure a visualization generation step by step. As a basis for creating the visualization generation, a standardized PLC project and WinCC Unified is used.
- You will deepen your theoretical knowledge through simple practical exercises in our virtual exercise environment Virtual Lab. At the end of the training, you will be able to independently configure a complete visualization generation.

COURSE OUTLINE

Module 1: Content

- Demands on the PLC project in terms of standardization and structuring
- Planning an automatic visualization

Automatic screen generation

- Layoutting
 - Navigation
 - Extended positioning
 - Overflow screens
 - Creation of pop-ups
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- Dynamic generation of properties, events and animations for the visualization
 - SiVArc expressions
 - Troubleshooting and analysis of the generated visualization
 - Demonstration of Openness Workflows