

## SiVArc - Möglichkeiten der automatischen Visualisierungsgenerierung (TIA-SIVARC)

### Short 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.

### Objectives

You will configure a visualization generation step by step. As a basis for creating the visualization generation, a standardized PLC project is used.

You will deepen your theoretical knowledge through simple practical exercises on a SIMATIC system model. At the end of the training, you will be able to independently configure a complete visualization generation.

### Target Group

- Programmers
- Configuration engineers
- Commissioning engineers

### 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

Dynamic generation of properties, events and animations for the visualization

SiVArc expressions

Troubleshooting and analysis of the generated visualization

Demonstration of Openness Workflows

### 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.

### Type

Face-to-face training

### Duration

1.5 days

### Language

de