

## SiVarc: Automatic Visualization Generation (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 and WinCC Unified 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 day

### Language

---

en