

SIMATIC WinCC Unified Transition Course (TIA-UWCCTR)

Short Description

SIMATIC WinCC Unified is the visualization system in the TIA Portal. The system convinces with the use of native web technologies and the high degree of openness through powerful interfaces. This means that it is necessary to switch to a new project planning. To make this step easier, this course will take you on the first steps of your "modernization journey". You will know which preparations are useful in your existing project, which additions in your modernized WinCC Unified device are useful and which tools support you in the modernization process.

Objectives

The training is aimed at participants with many years of experience in using SIMATIC WinCC in the TIA Portal (Basic, Comfort, Advanced) who would like to switch to or modernize SIMATIC WinCC Unified.

If you have little or no experience with WinCC in the TIA Portal, we recommend the system course:

[SIMATIC WinCC Unified 1 \(TIA-UWCC1\)](#)

After the course, you will know the necessary steps to modernize an existing WinCC project and know what points you need to pay attention to in the modernization process:

- Background information and range of functions: Basic/Comfort Panels vs. Unified Panels
- Online tool "WinCC Unified Modernization Checker" – function and use with a PDF printout from the WinCC TIA Portal project of the Comfort Panel
- Modernization process with TIA Portal Add-in "Data2Unified" and practical approach to the existing project
- Modernization process with manual adjustments directly in the project
- High-performance and future-proof project planning in SIMATIC WinCC Unified based on the engineering guideline for WinCC Unified with practical exercises including SmartAdvisor
- Introduction to JavaScript programming for WinCC Unified
- Deepening of JavaScript knowledge (ScriptDebugging/TraceViewer)

Pros:

- Training with the new HMI system WinCC Unified directly from the manufacturer
- Skill is more than knowledge: Through many practical exercises, you can start switching your project to WinCC Unified after the course.

Target Group

You have many years of experience in dealing with HMI projects in the SIMATIC WinCC TIA Portal Basic, Comfort, Advanced (in the machine-related area) and would like to switch to SIMATIC WinCC Unified or modernize your existing control panel.

This course will show you the advantages of switching to SIMATIC WinCC Unified and how you can modernize your existing control panel according to WinCC Unified.

- Commissioning installer
- Project Planner
- Maintenance Technician

Content

Product version: WinCC V21

- Advantages and motivation for switching to SIMATIC WinCC Unified
- Background information and range of functions: Basic/Comfort Panels vs. Unified Panels
- Online tool "WinCC Unified Modernization Checker" – function and use
- Modernization process with the TIA Portal add-in "Data2Unified"
- Modernization process with manual adjustments
- High-performance project planning based on the engineering guideline for WinCC Unified
- Introduction to JavaScript
- Advanced JavaScript (ScriptDebugging/TraceViewer)

Prerequisites

Many years of experience in using WinCC in the TIA Portal Basic, Comfort, Advanced (in the machine-related area)

Note

Knowledge of "picture window technology" and WinCC Unified Alarmcontrol is an advantage

Course: [WinCC Unified - Creating Images: Image Editor, Image Objects and Terms \(V21\)](#)

Activity: The Image Editor

Course: [WinCC Unified - Creating Images: System Functions, Navigation, Dynamization \(V21\)](#)

Act: Simple Image Navigation with an Image Window

Type

Face-to-face training

Duration

3 days

Language

en

Fee

0 EUR