

SIMATIC WinCC Unified Transition (TIA-UWCCTR)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

Face-to-face: 3 Days ; Virtual: 3 Days (Schedule varies)

2 CEUs

Target Group

- Commissioning
- Engineer
- Programmer

Short Description

This course equips participants with the knowledge and tools needed to successfully transition from traditional SIMATIC HMI solutions to SIMATIC WinCC Unified. Learners will explore the advantages and business drivers for adopting WinCC Unified, compare the functionality and capabilities of Basic and Comfort Panels with Unified Panels, and gain a thorough understanding of modernization strategies. The course covers project migration using the TIA Portal Data2Unified add-in as well as scenarios requiring manual adjustments and introduces the WinCC Unified Modernization Checker for assessing migration readiness. Participants will also learn best practices for high-performance project planning based on WinCC Unified engineering guidelines and develop foundational to advanced JavaScript skills, including the use of Script Debugging and Trace Viewer tools to create, troubleshoot, and optimize Unified applications.

Objectives

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

Content

- Introduction
- Analysis
- Preparation
- Tool-based Modernization
- Manual Modernization: Screen Management
- Manual Modernization: Cycles & RT Settings
- Manual Modernization: User Management & Scheduled Tasks
- Manual Modernization: Text and Graphic Lists & Screens
- Manual Modernization: Faceplates & HMI Tags
- Manual Modernization: HMI Alarms & Scripts
- Optimization
- JavaScript
- Training & Support

Mandatory Prerequisites

[SIMATIC WinCC Unified 1, Systems: US-TIA-UWCC1](#)

Note

This course is designed for experienced SIMATIC WinCC users who have several years of working with WinCC in the TIA Portal environment, including Basic Panels, Comfort Panels, and WinCC Advanced. It is ideal for engineers and technicians who are planning to migrate existing applications to SIMATIC WinCC Unified or modernize their HMI solutions using the latest technology platform.

Participants with limited or no prior experience using WinCC in the TIA Portal should first attend SIMATIC WinCC Unified 1 (TIA-UWCC1) to build the foundational knowledge required for a successful transition to WinCC Unified.

Language

English

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