

## Online Training- SIMATIC WinCC Unified 2, Advanced Course (TIA-UWCC2)

### Short Description

SIMATIC WinCC Unified as a visualization system in the TIA Portal. The system impresses with its use of native web technologies, which you will become acquainted with in this course. You will also learn about its high degree of openness thanks to high-performance interfaces. Learn how to use WinCC Unified and the new PC Runtime software and get a personal impression of the capabilities of the new system.

### Objectives

The training is intended for participants who want to learn more about WinCC Unified in the SCADA environment. Building on the system course (TIA-UWCC1), the topics listed below are conveyed based on WinCC Unified PC Runtime.

Upon completion of the course, you will be able to use WinCC Unified PC Runtime with confidence and create your own HMI / SCADA projects with WinCC Unified Engineering:

- Perform HMI - device update
- Create and load project (PC)
- Connecting WinCC Unified Clients to the WinCC Unified Runtime and Certificate Handling
- DB - Set up archiving for large amounts of data
- Create parameter sets (recipes) and communicate for control
- Reporting and application of templates
- Efficient engineering and design with templates, applications, and options
- Decentralized system configurations (collaboration) and certificate handling

#### Advantages

- Training on the new HMI system, WinCC Unified, directly from the manufacturer
- Can-do is better than know-how. Upon completion of the course, you will have mastered WinCC Unified by performing numerous practical exercises
- Introduction to the new HTML5-based WinCC Unified. Get a personal impression of the performance

### Target Group

You are tasked with creating and/or editing HMI projects for the WinCC Unified PC Runtime.

This course expands on the skills you learned in the System Course and will provide you with a great deal of new information so that you can work confidently with WinCC Unified and WinCC Unified PC Runtime.

- Programmers
- Commissioning engineers
- Configuring engineers
- Maintenance personnel
- Repair personnel
- Service personnel
- Operators

### Content

Product version: WinCC V19

- HMI - Device update
- Creating and loading projects (PC)
- WinCC Unified clients
- DB - Logging for large volumes of data
- Parameter sets (recipes)
- Reporting
- Efficient engineering and design
- Collaboration

### Prerequisites

The prerequisite is attendance of the course [SIMATIC WinCC Unified 1, System Course \(TIA-UWCC1\)](#) or equivalent knowledge.

### Note

To take part in this course you will require access to a PC/Laptop with capability to use the following software, microphone and speakers or headset, good Wi-Fi or cabled internet connection, an additional visual display unit, and also a separate device to access the pdf course notes:-

- MS Teams Tenant – required to facilitate instructor presentation and interaction via the Virtual Classroom.
- Invitation to access the DI Virtual Lab (VLAB) – all TIA Portal software will be hosted in the Virtual environment.

VLAB is a digital training and learning platform that provides expert knowledge content as courses that can be used for live hands-on learning experiences and better user experience. VLAB is a cloud-based platform to provide any kind of hardware/software environment.

#### Host System Requirements

The following are the minimum system requirements that must be set up to work with VLAB.

- PC with internet access and a minimum data transfer rate of 15 Mbit/s.

Note: It is recommended to set up screen with a resolution of 1920\*1080 pixels (full HD) to display the course document material and environment system in parallel.

If required, you can also use two screens.

- Firewall must not block access to VLAB.

Note: Your firewall must allow Websockets (wss:// connections over TCP and HTTPS over port 443).

- HTML5-capable web browser (such as Chrome, Safari, or Firefox).

- Siemens login credentials for both internal employees and external participants.

Again, as there will be at least two active sessions of software being utilised on this course, you will find it convenient to connect an additional external monitor to you PC/Laptop. The second device could be used to host the pdf course files.

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**Type**

Online-Training

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**Duration**

2 days

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**Language**

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**Fee**

1,380 GBP