

## SCADA con SIMATIC WinCC Unified (TIA-UWCCPC)

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### Short Description

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SIMATIC WinCC Unified is the new visualization system in the TIA Portal. The system convinces through the use of native web technologies, which are introduced to you in this course. You will also learn the high degree of openness through high-performance interfaces. Learn how to use WinCC Unified and the new Unified Comfort Panels and get a personal impression of the performance of new devices. The training is intended for participants who want to learn more about WinCC Unified in the SCADA environment. Building on the System Course (TIA-UWCCM), you will learn more about the individual basic and SCADA options in addition to the basic functionalities of WinCC Unified PC Runtime.

### Objectives

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After attending the course, you can:

- Single user-, multi user- and multi-monitor systems
- Client/Server systems (web-based) and plant configurations
- Web-based remote operation and control
- OPC UA communication
- Database archives for large data volumes
- Technological plant hierarchy
- Distributed plant configurations
- Reporting

### Target Group

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Programmers  
Commissioning engineers  
Service personnel  
Operators  
Maintenance personnel

### Content

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- Creating a project and loading it to the PC station
- SIMATIC WinCC Unified clients
- Database archiving
- Connectivity: S7 communication and OPC UA
- Technological Hierarchy: object-oriented plant model
- Collaboration: setup of distributed configurations / sharing of plant data
- Reporting
- Plant Intelligence options

The theoretical knowledge will be deepened with numerous practical exercises on a TIA system model. This consists of a SIMATIC WinCC Unified PC Runtime connected to a SIMATIC S7-1500 automation system and a conveyor model.

### Prerequisites

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TIA-UWCCM course or equivalent basic knowledge of automation systems.

### Note

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This course is also available in Virtual Classroom mode: E-UWCCPC.  
IMPLEMENTING DECREE AUGUST 2024 :  
Transition 5.0: Trailed Expenditure  
Digital transition B.11

### Type

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Face-to-face training

### Duration

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2 days

### Language

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