

## SIMATIC WinCC SCADA (WinCC Prof) in the TIA Portal (SH-WINT)

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### Objectives

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To make participants aware and familiar with:

- TIA Portal (WinCC Professional) as a visualization framework
- Understanding different elements of visual engineering
- Learning of different logging techniques

### Target Group

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- Service engineers
- Programmers
- Commissioning engineers
- Maintenance engineers
- Users

### Content

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#### Hardware

- System overview of TIA Portal (WinCC Professional)
- Configuring connections to the SIMATIC S7-1500 PLC

#### TIA Portal (WinCC Professional)

- Scope of TIA Portal (WinCC Professional)
- License management for TIA Portal (WinCC Professional)
- Overview of the TIA as a framework

#### Software and Programming concepts

- Tag Management
- Program creation
- Testing functions with variable simulation
- Graphic designer
- Alarm Logging
- Tag Logging
- Creation of Faceplates
- Introduction of User Administration
- Introduction of Configuration Studio
- User archive configuration
- Report Designer for Logging
- Introduction to Global Scripts
- *Introduction & demonstration of SIVARC\* **New***

#### Communication

- Communication with SIMATIC S7 PLC (S7-1500) with TIA Portal (WINCC Professional)

#### Troubleshooting and diagnostic topics

- Getting to know about connection healthiness between SCADA & Automation system
- Project Backup
- Communication diagnostics
- Cross-references
- *Introduction to ProDiag – Explanation\* **New***
- *Web UX in WinCC V7.x – Explanation & Demonstration\* **New***
- *SIMATIC Notifier - Explanation & Demonstration\* **New***

#### Hands on

- Task based exercises after each topic

### Prerequisites

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- Basic Know how about SIMATIC Manager & Programming instruction is mandatory.

### Type

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Face-to-face training

**Duration**

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5 days

**Language**

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