

SIMATIC WinCC SCADA (WinCC Prof) in the TIA Portal (AS-OL-WINT)

Objectives

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

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

Content

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

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

Note

- Software Version: TIA Portal (WinCC Professional) V16

Technical Requirement

- A computer or laptop with Windows 7/10 OS and a stable internet connection. (We recommend a data transfer rate of 16 Mbit/s.)
- Microsoft Teams platform for technical presentations and demo. (We recommend using desktop app for best possible use of all functions).
- Goggle Chrome internet browser for assessing virtual lab solution for hands-on

Type

Face-to-face training

Duration

5 days

Language

en