

SIEMENS WINCC FOR TIA PORTAL (SCADA)

COURSE SPECIFICATIONS

Course Code: TIA-WCCS

Course Length: 5 Days

PRE-REQUISITES

Successful completion of the TIA-SYSUP or the TIA-SERV1 courses.

COURSE OBJECTIVES

The Totally Integrated Automation Portal (TIA Portal) provides the working environment for end-to-end engineering with SIMATIC STEP 7 and SIMATIC WinCC.

The SCADA functionality (Supervisory Control and Data Acquisition) of WinCC is designed for visualization and operation of processes, manufacturing cycles, machines and plants.

The course is based on the possibilities of WinCC SCADA in TIA Portal at the time.

You will learn how to create the required interface. You will also be shown how to log messages and values and how to design and implement the appropriate logs.

After learning how to use the system safely, you can use the engineering phase effectively.

The course content is supported by a host of practical exercises on a system model.

This comprises the SIMATIC S7 programmable controller (PLC) and different human machine interfacing (HMI) stations.

LEARNING OUTLINE

1. System overview TIA Portal, SIMATIC WinCC (SCADA)
2. Creating a SIMATIC WinCC project
3. Configuring the connection to the SIMATIC S7 automation system
4. Structuring the operator interface
5. Fundamentals of creating graphics displays for human machine interfacing

6. Navigating through the plant displays
7. User administration
8. Message representation, message logging, message configuring
9. Variable logging, trend configuring, and trend plotting
10. Trend plotting, and message representation including logging of data in the database
11. Recipes
12. Faceplates for reuse and centralized modification of graphics blocks
13. Background processing Global
14. Reinforcement of the content by means of practical exercises on the TIA system model

CERTIFICATION

Successful participants will receive an **international Siemens certificate**. Siemens LTD is accredited by **merSETA** to fulfil the functions as contemplated in SAQA regulation 13 for the standards and qualification as detailed in the statement of accreditation.

MERSETA TRAINING PROVIDER

Onetrust Training Solutions has received full accreditation as a **merSETA Training Provider**. (Certification number: 17-QA/ACC/2313/21.) We are in the process of extending our scope of accreditation for most of our individual training courses and skills programmes.

CONTACT DETAILS

Further enquiries may be directed to:

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