SIEMENS

WinCC for TIA Portal (TIA-WCCS)

Short Description

TIA Portal WinCC Functionality Course

Objectives

Aims and 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.

Content

System overview TIA Portal, SIMATIC WinCC (SCADA)
Creating a SIMATIC WinCC project
Configuring the connection to the SIMATIC S7 automation system
Structuring the operator interface
Fundamentals of creating graphics displays for human machine interfacing
Navigating through the plant displays
User administration
Message representation, message logging, message configuring
Variable logging, trend configuring, and trend plotting
Trend plotting, and message representation including logging of data in the database
Recipes
Faceplates for reuse and centralized modification of graphics blocks
- Background processing Global
- Reinforcement of the content by means of practical exercises on the TIA system model.

Prerequisites

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

Type

Face-to-face training

Duration

5 days

Language

en

Fee

21,040 ZAR