SIEMENS

SIMATIC WinCC SCADA in the TIA Portal (TIA-WCCS)

Krátký popis

WinCC Professional is the powerful SCADA system in the TIA Portal. Want to modernize or perform maintenance on your SCADA system or create a completely new SCADA system? Attend this training course, which is designed to help you learn the basic principles as well as advanced functions.

Cíle školení

The SCADA functionality (Supervisory Control and Data Acquisition) of WinCC in the TIA Portal is designed for visualization and operator control of processes, production flows, machines and plants.
You will learn how to create and dynamize the operator interface needed for your SCADA system. You will also be shown how to log messages and values and how to design and implement the appropriate logs. You can effectively use the engineering phase thanks to what you have learned about reliably operating the system.
After attending the course, you can do the following:

- Efficiently and reliably operate SIMATIC WinCC based on the "TIA Portal" engineering platform
- Understand and edit SIMATIC WinCC projects for use in the SCADA area
- Optimally design an operator interface and selectively use faceplates
- Create screen navigation and user administration
- Implement logging concepts for messages, alarms and measured values
- Access specific values from the SIMATIC S7 and display and further process them in the operator control and monitoring system (HMI)
- Create user-defined scripts

Cílová skupina

You are tasked with creating and/or editing HMI projects. Whether you are someone who is just getting started or has already been exposed to the subject of HMIs, this course will provide you with new information so that you can work confidently with WinCC Professional in the TIA Portal.

- Programmers
- Commissioning engineers
- Configuring engineers
- Service personnel
- Maintenance personnel
- Service personnel
- Operators

Obsah školení

Product version: WinCC V21

- System overview of 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
- Data logging, trend configuring, 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 Scripting
- Deeper understanding of contents through practical exercises on the SIMATIC S7-1500 system model

Included in the course price: Free access to the digital learning platform SITRAIN access – starting one week before the start of the course until two weeks after the end of the course. With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

Vstupní požadavky na úastníka

Basic knowledge of automation technology

Poznámky

The Learning Membership starts 7 days before the start of the course and ends 14 days after the end of the course. During this period, you have access to all web-based trainings available.

Typ školení

Prezenní školení

Trvání

5 dny

Jazyk

en

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