SIEMENS

SIMATIC WinCC, System Course (ST-BWINCCS)

Breve descrizione

In order to provide you with the best possible support and training in your personal learning environment (own office/home office), we have implemented selected courses as digital online trainings for you. We provide you with live theory lectures from our experts, which convey the course content described in the learning objectives in a practical and comprehensive manner, utilizing our virtual exercise environment for practical exercises. In our virtual classroom, our expert is also available to you at any time during your individual practical exercises for in-depth questions and technical discussions.
WinCC V8.x is the proven and powerful SCADA system in the automation environment. 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 functions.

Obiettivi

The SCADA system (Supervisory Control and Data Acquisition) WinCC V8.x is designed for visualization and operator control of processes, production flows, machines and plants.
In this course, you will learn how to use SIMATIC WinCC easily and quickly for your applications. 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
• Understand and edit SIMATIC WinCC projects
• Optimally design an operator interface and selectively use faceplates
• Create screen navigation and user administration
• Implement logging concepts for messages, alarms and measured values
• Selectively access values from SIMATIC S7 and display and further process these values in WinCC
• Create user-defined scripts
• Understand the advantages of the openness of WinCC

Gruppo target

You are tasked with creating and/or editing WinCC projects. Whether you are someone who is just getting started or has already been exposed to WinCC, this course will provide you with new information so that you can work confidently with WinCC.
• Programmers
• Commissioning engineers
• Configuring engineers
• Service personnel
• Maintenance personnel
• Service personnel
• Operators

Contenuti del corso

Product version: WinCC V8.1 and SIMATIC S7-1500
• System overview of SIMATIC WinCC: for example, overview of the various WinCC licenses, possible system configurations
• WinCC projects: Creating projects, types of projects, data structure
• Communication with controllers: Overview of possible controllers, configuration of a connection to the SIMATIC S7, configuration limits for communication, diagnostic options
• Creating tags and groups, working effectively with the Configuration Studio, internal and external tags, system info channel, simulation of tag values
• Cross Reference Editor
• Working effectively with the Graphics Designer
• Dynamization of objects in screens using tag connection, configuration dialog, dynamic wizard, animation , dynamic dialog, direct connection, C scripts and VB scripts
• Diagnostic and performance guidelines for C scripts and VB scripts
• Global Script Editor for user-created functions and screen-independent actions
• User administration: WinCC users and groups, authorization levels
• Faceplate technology via screen window with tag prefix and via faceplate types
• Tag logging: Archives and archive tags, archive configuration, types of archiving, OnlineTrendControl
• Alarm logging: Alarm procedures, alarm classes and types, archive configuration, alarm control, system alarms, status tags
• Data archiving with the User Archives option
• Communication with S7-1500
• Report Designer for reporting

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.

Prerequisiti partecipante

• Basic knowledge of automation technology
• Technical requirements

Nota

Other interesting trainings for you: SIMATIC WinCC, Advanced Course (ST-BWINOND)

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 of the more than 480 web-based trainings available.

Tipologia

Formazione online

Durata

5 giorni

Lingua

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