SIEMENS

On line-Training-Corso di sistema SIMATIC WinCC (ST-BWINCCS)

Short Description

The SCADA system (Supervisory Control and Data Acquisition) SIMATIC WinCC V7.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 V7.x 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.

Objectives

After attending the course, you can:
- Efficiently and reliably operate SIMATIC WinCC V7.x
- Understand and edit SIMATIC WinCC V7.x 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
- Create user-defined scripts
- Understand the advantages of the openness of SIMATIC WinCC V7.x

Target Group

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

Content

Product version: WinCC V8.0 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

Prerequisites

Basic knowledge of automation technology

Type

Online-Training

Duration

30 hours

Language

it