Online Instructor-led Training
Introduction to WinCC Flexible

General Information

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<tr>
<th>Course Code:</th>
<th>SCT-S7OILWFXC1A</th>
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<td>Length:</td>
<td>10 Hours</td>
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Audience

This course is for automation control engineers or maintenance staff who will be designing, configuring or maintaining a control system application configured with Siemens WinCC Flexible software.

Profile

1.9 CEUs (Continuing Education Credits)

This course provides a rich introduction to the features and capabilities of Siemens WinCC Flexible software. Students will perform a system configuration including project configuration, graphics design and system integration.

Throughout this course lecture materials are complimented with hands-on exercises which build a working WinCC Flexible application. This is a hands-on course filled with configuration exercises in WinCC Flexible. Students will use advanced software tools of STEP7 including PLCSIM to complete system configuration, troubleshooting, and functional testing of applications.

This is a live, instructor led, on-line course delivered in 2 hour learning modules through an innovative web application. Access to fully functional STEP 7 software will be provided to the student through a cloud based application. Students are encouraged to complete assigned lab exercises during and after each session to reinforce the learning modules throughout the week. A professional Siemens instructor will also be available to answer student questions outside of scheduled class times.

Messaging, alarms, security, and archiving will not be covered in this introduction.

Objectives

Upon completion of this course, the student shall be able to:

- Create and manage a WinCC Flex project.
- Integrate components between WinCC Flex and STEP 7.
- Create tags from the STEP7 symbol table.
- Design graphic screens and tools.
- Configure internal and external tags.
- Use PLCSIM software to simulate PLC hardware and test user defined WinCC Flexible project.

Topics

1. WinCC Flexible System Overview
   a. WinCC Flexible Components
   b. Software Configurations
   c. Engineering System
2. The Project
   a. Project components & configuration
   b. Program loading
   c. Configuring NetPro
   d. WinCC Flex Settings & Languages
3. Basic Graphics Design
   a. The Screen Editor
   b. Screen hierarchy
   c. Screen templates
   d. Objects
   e. Configuring I/O
   f. Text lists
   g. Buttons & switches
   h. Animation
4. Advanced Graphics Design
   a. Network configuration
   b. Navigation Editor
   c. Libraries
   d. Configuration Tools