

## Online Instructor-led Training Introduction to WinCC Flexible

### General Information

Course Code: SCT-S7OILWFXC1A  
Length: 10 Hours

### 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