

AUTOMATION ACADEMY

A u t o m a t i o n S y s t e m s T r a i n i n g S p e c i a l i s t s

Course Title: Siemens WinCC SCADA Training Course

This WinCC SCADA training course has been designed to give Engineers an insight into the configuration and operation of the Windows PC based Siemens WinCC SCADA software. The course will guide students through the basic design and configuration of the SCADA systems through to the operation and communications integration into the PLC control system.

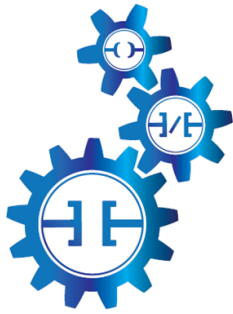
Where possible, application specific exercises, actual drawings and plant programs will be used to allow the students to gain the greatest possible benefit from the course.

Course Objectives:

- ☒ To introduce students to the concepts and operation of Siemens WinCC programming and runtime software.
- ☒ To be able to understand the structure of the SCADA project within the WinCC programming software.
- ☒ To be able to use the WinCC SCADA programming software to create and develop a project and to be able to modify existing WinCC SCADA projects.
- ☒ To be able to restore a WinCC SCADA project backup into the Siemens SCADA PC.

Course Content:

Understanding the Siemens WinCC SCADA system.
First steps using WinCC SCADA programming software.
Creating a WinCC training project to demonstrate application examples.
Basic SCADA drawing skills.
Tags and their creation.
Configuring the online connection to the WinCC SCADA system.
Creating PLC based tags.
Obtaining runtime in WinCC SCADA system.
Developing plant mimics.
SCADA system configuration and screen development for project navigation.
Creating alarms and alarm displays.
Real time trending configuration and screen development.
Historical trending configuration and screen development.
Text list configuration and screen development.
SCADA security and allowing access to specific pictures.
Application exercises and examples from your plant SCADA system.



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Course Duration: 4 Days

Documentation: Siemens WinCC SCADA Training Manual.

Equipment per student: Siemens WinCC SCADA PC

Siemens S7 controller

Programming laptop

Plant simulator

Web link: [Siemens WinCC SCADA Training Course](#)