

Course Details

SIEMENS SIMATIC TIA PORTAL WinCC TIA-WCCS (5 days)

HRDF CLAIMABLE

*Subject to Approval

Requirements

This course is for PLC users with engineering or maintenance experience who will be designing and configuring automation systems and their application programs using Siemens Windows Control Center (WinCC). Familiarity with PC windows OS is a must for this course.

Objectives

This compact course deals with the configuring of SIMATIC WinCC. Using simple examples, you will acquire the knowledge necessary to use the system simply and quickly for your applications. You will learn the entire topic by means of numerous practical exercises within the environment of SIMATIC S7.

On completion of the course, you will have mastered the basic software and will understand the benefits of WinCC's openness.

Topics

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

- SIMATIC WinCC System Overview
- WinCC Projects: Creating projects, Types of projects, Data structure
- Creating tags and groups, working effectively with the Configuration Studio, internal and external tags, system-info-channel, simulation of tag values
- Working effectively with the Graphics Designer
- Making objects in screens dynamic using tag interfacing, configuration dialog, dynamic wizard, dynamic dialog, direct connection, C-Scripts and VB-Scripts
- User Administrator
- Tag Logging and Alarm Logging
- Data archiving and report designer
- Report Designer for reporting (introduce)

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Course Certificate

SIEMENS Certificate will be awarded after the training.

Contact Information

SIEMENS MALAYSIA SDN. BHD. (93008-X)

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E-mail: industry.my@siemens.com

e-Pass: [siemens.asia/e-pass_v2/ASEAN](https://www.siemens.asia/e-pass_v2/ASEAN)

Website: www.siemens.com.my/sitrain

Bank Details

Bank Name: Deutsche Bank (M) Sdn Bhd

Bank Account Number : 0020768000

Bank Address : 18th – 20th Floor, Menara IMC 8,
Jalan Sultan Ismail,
50250, Kuala Lumpur

Bank Swift Code : DEUTMYKLXXX

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Daywise Schedule

Day 1

1. WinCC System Overview
 - Hardware Overview
 - WinCC Core Functionality
 - System Configurations
 - Open Architecture

2. Projects & Tags

- Starting WinCC
- Creating a new Project
- Network Adapters
- Project and Computer Properties
- Tag & Channel Configuration
- Cross Reference Editor

Day 2

3. Graphics Designer

- Tools & Features for creating a graphic
- Using Object, Styles & other palettes
- Using the dynamic wizards
- Setting the objects properties
- Grouping Objects

4. Making Objects Dynamic

- Direct Connect Interface
- Dynamic Dialog Interface
- Object C Scripting
- Indirect Addressing

Day 3

5. The Global Scripts Editor

- Creating a Project Function
- Creating a Global Action

6. User Administration & Security

- Groups & Users
- Log on & Log off
- OS Security

Day 4

7. Alarm-Logging / Messages

- Message Blocks
- Message Classes & Subclasses
- Analog Alarms
- WinCC Alarm Control Configuration

8. Reports Designer

- Layouts & Print Jobs
- Configuration / Documentation Reports
- Alarm Reports
- Creating & Configuring Print Jobs

Day 5

9. Archiving & Trending

- Archive configuration
- WinCC Online Trend Control
- WinCC Online Table Control

10. Practice and Exercises

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Time-wise Schedule

Day	Time	Topics
Day – 1	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Wincc System Overview Configuration interface TIA functions in WinCC The project
Day – 2	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Basics of configuration Basics of configuration (Cont.) Runtime scripting Practical on the above
Day – 3	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Enhanced configuration functionality Alarm system User Administrator Practical on the above
Day – 4	09:00 Hrs – 10:00 Hrs 10:15 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 17:00 Hrs	Tag logging Recipe Management Procedure for configuring a recipe Practical on the above
Day – 5	09:00 Hrs – 12:00 Hrs 13:00 Hrs – 15:00 Hrs 15:15 Hrs – 16:00 Hrs	Migration Practical on the above Feedback & Valedictory session

Break Timings:

10:00 Hrs – 10:15 Hrs	Morning Tea Break
12:00 Hrs – 13:00 Hrs	Lunch Break
15:00 Hrs – 15:15 Hrs	Afternoon Tea Break
17:00 Hrs – 17:15 Hrs	Recess & End of Day