

SIEMENS WINCC SCADA V7

TRAINING PROVIDER : MTA SKILLLAB SDN BHD

COURSE SUMMARY

A Hands-on introduction to designing, commissioning, and troubleshooting WinCC V7.x SCADA projects. Participants build an end-to-end project: connect to a PLC (real or simulated), create tags and graphics (with reusable faceplates), implement alarms and trends, set up user administration, add basic reports and scripts, and practice diagnostics, backup, and deployment.

LEARNING OUTCOMES

By the end of the course, participants will be able to:

- Explain WinCC V7.x architecture and set up a new project.
- Configure PLC communications and validate tag flow.
- Engineer screens with the Graphics Designer, including reusable faceplates.
- Implement Alarm Logging and Tag Logging (trending) with filtering and acknowledgment.
- Manage users/roles and apply security best practices.
- Diagnose communication/project issues and perform backups/restores.

LEARNING CONTENT

- Foundations, comms, screens, alarm & trends
- Security, scripting, diagnostics & modern features

TRAINING DETAILS

Duration & Schedule

2 Days | 9:00 am – 5:00 pm (Meal provided)

Location

Skilllab Training Center, Prai, Penang

Target Audience

Service/commissioning/maintenance engineers, SCADA programmers, power users.

Prerequisites

Basic PLC/HMI concepts and Windows PC skills.

Delivery & Materials

- **Method:** Short lectures, guided demos, and task-based labs after each topic
- **Materials:** Slides, lab workbook, sample project, backup/restore checklist.

Certification Completion provided



COURSE OUTLINE

FOUNDATIONS, COMMS, SCREENS, ALARMS & TRENDS

- SCADA overview & project kickoff
- Communication to PLC
- Tag management & simulation
- Graphics engineering
- Alarm Logging
- Tag Logging (trends) & quick reports

SECURITY, SCRIPTING, DIAGNOSTICS & MODERN FEATURES

- User administration & security
- Configuration & housekeeping
- Global Scripts (VB/C actions)
- Diagnostics & communication health
- Capstone & assessment