



LEYLAND TECHNICAL ACADEMY

Course Outline

SIEMENS WINCC Flexible

LEYLAND AUTOMATION IMPACT TEAM



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Leyland Technical Academy

www.leylandtech.com

Automation Impact Team Building

COURSE DESCRIPTION

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WINCC FLEXIBLE

Overview

The course is aimed at technical personnel, operators, service staff and project leaders that need to operate, modify, configure or troubleshooting SIMATIC WinCC flexible operator devices (OP/MP/TP).

The course enables them to understand the operation of the WinCC Devices, how they interface with the PLC, how they're configured and maintained, the training focuses on two key parts, **the hardware devices**; the various HMI's & **the software (WinCC flexible)**

Objectives

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

- Understand the Operational principle of the HMI
- Understand how to Install and Commission a SIMATIC HMI
- Understand how to Interface a SIMATIC HMI with PLC using WinCC Software
- Understand how to Configure and design HMI projects for Various processes.
- Be able to BackUp and Restore projects from SIMATIC HMI's.
- Effectively Carry out Basic Maintenance and Troubleshooting Existing SIMATIC HMI's.
- Observe safe practices when working with SIMATIC HMI's.

Target group

Personnel involved in Operation, Installation and Maintenance of SIMATIC HMI's systems for Plant process.

Duration

Three (3) days

Prerequisites

To participate in this course, basic knowledge of Siemens SIMATIC S7 is required. Participants must have basic PC knowledge and experience with the MS Windows environment.

Methodology

LTA's Training courses are given by highly qualified trainers, with practical knowledge, in professional LTA's training centers or On-Site. Prior to the course an intake conversation can take place to define the participant(s) and the company's requirements. Presentations (theory and examples) as well as practical exercises bring the courses to life. LTA's Training courses are interactive, the trainer will always make sure the training contents link back to your situation.

Content

- System overview SIMATIC WinCC flexible
- Opening new projects
- Enabling communication
- Data-archives and Graphic screens and tools for operating and monitoring
- Understanding, archiving and handling alarms and messages
- Understanding, archiving and handling trends
- Recipe handling
- Runtime setup

- Handling various operator- and monitoring stations.
- Backing Up & Restoring SIMATIC HMI's Project

