

Workshop on

"WINCC FLEX Using TIA" 4-Days Program

About Us

We are the training providers and deals in Technical, HSEQ, Management and Soft Skills Training.

We have highly knowledgeable and experienced local & foreign subject matter experts. Our team is highly focused and provides the best support as per your requirements and needs.

We provide a platform from where you can add value in you teams. We are highly fascinated on the development of your Technical and Management Teams.

We can provide on-site and classroom training.

Trainer's Profile

Dr. Salama is our foreign freelance Trainer. He has done his PhD & Masters in Automatic Control Systems and did his Bachelors in Engineering in Electrical power & Machines. He is also an International EX Certified from Compex UK. Currently he is associated with Rasheid Petroleum-Egypt as their Sr. Control Systems Engineer. He has also worked with Rockwell Automation - Allen Bradley, Schneider Electric, Schumberger and Bureau Veritas.

He is a highly skilled in Automatic Controls like:

SCADA & HMI: □ SCADA (Vijeoc citect, , WINCC, Intouch,Rsview32, PCS7, Factory Talk, Wonderware, and Cimplicity).

□ HMI (Panel builder, XBT, VIJEO DESIGNER, Factory Talk, & Wincc flex).

□ Data Acquisition System (National Instrumental Card)

PLCs : Schneider (Twido, M340, Premium &Quantum)----- Allen Bradley (micro logix , SLC, Compact logix & Control logix), Siemens (S7-200.S7-300, S7-400H, PCS7, 1200 &1500), GE Fanuc (Series 90-30) , GE gas turbine controller Mark VIE, YOKOGAWA ESD system Prosafe) , Process Control Using PID (Foxboro).

He has conducted different training sessions in the industries in Dubai, Abu Dhabi and Egypt i.e.

□ Siemens PLC S400

□ Allen Bradley PLC

□ PLC's & SCADA systems for both Siemens (S300,Wincc v4.0) & Allen Bradley(CLX L73, Factorytalk 8.2)

□ Allen Bradley PLC, CLX 5000, and communication

Course Description:

This course is designed for maintenance personnel that must support a Siemens WINCC FLEX system. Using a pre-written application in an S7 programmable controller, students will develop an HMI application for the WINCC FLEX terminal. Also covered the brief configuration on micro-master drive and the communication with s7 and configuration

Training Content:

Module 1 - Introduction (Overview of the WINCC FLEXIBLE Software and Hardware Terminals)

Upon successful completion of this Learning Outcome Guide, you will be able to understand

- Introduction
- Software Overview
- The Application
- Creating a Project
- Tags
- Screens - Simple Objects

Module 2 - Screen objects such as Sliders, Gauges and Trends

Upon successful completion of this Learning Outcome Guide, you will be able to understand

- Enhanced Screen Objects
- Status - Force Display
- Alarms
- Multiplex Tags
- System Screens
- Transferring the Application

Module 3 - intro to AC drive & Micro-master

Upon successful completion of this Learning Outcome Guide, you will be able to understand

- Basics of Drives Technology
- Generator Operation
- Measuring Systems for Sensing Speed and Position
- Controller and Control Loops, Optimization Criteria
- Speed, Torque and Current Control
- MICROMASTER
- Overview of MICROMASTER Units

Module 4- Working On Drive

Upon successful completion of this Learning Outcome Guide, you will be able to understand

- Electrical Installation
- Parameter Input, Structure of the Parameter Set
- Communication with PLC s7
- Read /Write through Communication with WINCC SCADA /WINCC FLEX.



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