

## Workshop on

# "SCADA System WINCC Architecture and Communication" 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, VIJE0 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 to provide a thorough understanding of the fundamental concepts and practical issues of SCADA systems. Particular emphasis has been placed on the practical aspects of SCADA systems with a view to the future.

## Training Content:

### Module 1 - Introduction

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

- Basic WINCC SCADA specifications
- Advantages of SCADA
- SCADA selection criteria

### Module 2 - SCADA Main Components

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

- SCADA architecture
- SCADA main Components
- RTU
- SCADA system software

- SCADA system design
- PLC and DCS system

### Module 3 - Graphics and create project

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

- Create a new project through using Siemens Wincc scada
- Using the graphics designer
- Communicate driver with PLC
- Create data base and tags

### Module 4- working on software.

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

- create and animate objects
- using VB and C language
- Case studies

### Module 5- communication.

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

- Create alarms
- Using trends
- Create a complete project
- Examples and test exam.



**Contact Us**  
Phone: +92 310 265 8003  
Email: [training@hippocampusgroup.com](mailto:training@hippocampusgroup.com)  
Web: [www.hippocampusgroup.com](http://www.hippocampusgroup.com)