Global Horizon
TRAINING CENTER

Training Course:
PLC & SCADA Training Course

15 - 19 December 2024
Sharm El-Sheikh (Egypt)
Sheraton Sharm Hotel

Training Course:
PLC & SCADA Training Course

Training Course code: EN234649 From: 15 - 19 December 2024 Venue: Sharm El-Sheikh (Egypt) - Sheraton Sharm Hotel
Training Course Fees: 4200 Euro

Introduction

This training program is structured to provide the delegates with up to date information on PLC s and SCADA s application to the automation phase and the process control for factories and plants. This program is acceptable for people who have little or no knowledge relevant to PLC and SCADA but are willing to understand the aspects of PLC installation and the SCADA programming concepts. The objective of this program is to assist you with the correct planning, programming, and installation of a PLC.

Upon completion of this course, you should be able to troubleshoot a previously operational ControlLogix® system and restore normal operation.

Course Objectives of PLC & SCADA

You will have the opportunity to develop and practice these skills by:

 Learning basic concepts and terminology used with:-ControlLogix system hardware-Studio 5000 Logix Designer® application

 Practicing a systematic strategy for diagnosing and troubleshooting problems:

-Configuration issues

-Electrical noise

-Faulty/malfunctioning field devices

-Controller I/O, or other hardware issues

 Performing hands-on exercises All Logix5000 systems use the same control engine; therefore, tasks are similar. You will see applicable references for other systems

Target Audience of PLC & SCADA

Personnel who can attend this course are:

- IT personnel
- Technicians
- Plant engineers
- Project engineers
- Maintenance supervisors
- Design engineers
- Consulting engineers
- Electrical engineers

- Process control engineers
- Control systems sales engineers
- Control and instrumentation engineers

Course outlines of PLC & SCADA

Day 1

- Locating ControlLogix Components
- Navigating through the Studio 5000 Logix Designer Application
- Connecting a Computer to a Communications Network
- Downloading and Going Online
- Locating I/O Tags and Devices
- Interpreting Studio 5000 Logix Designer Project Organization and Execution

Day 2

- Interpreting Ladder Logic Structure
- Locating and Editing Tag Values
- Interpreting Bit Instructions
- Interpreting Frequently Used Instructions
- Interpreting Arrays

Day 3

- Interpreting Tags of User-Defined Data Types
- Searching for Project Components
- Integrated Practice -Interpreting a Basic Project
- Forcing I/O and Toggling Bits
- Troubleshooting Digital I/O Problems

Day 4

- Troubleshooting Analog I/O Problems
- Troubleshooting Remote I/O Problems
- Updating Logix5000 Firmware
- Troubleshooting Controller Problems
- Troubleshooting Power Supply Problems

Day 5

- Analyzing and Troubleshooting a System Using a Trend Chart
- Integrated Practice-Troubleshooting Basic Projects
- Editing Ladder Logic Online
- Managing Studio 5000 Logix Designer Project Files
- Documenting and Printing Components
- Troubleshooting Noise-Related Problems

Registration form on the Training Course: PLC & SCADA Training Course

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

Delegate Information

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
Telephone / Mobile: .....
Personal E-Mail: .....
Official E-Mail: .....

Company Information

Company Name: .....
Address: .....
City / Country: .....

Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng): .....
Position: .....
Telephone / Mobile: .....
Personal E-Mail: .....
Official E-Mail: .....

Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
- ☐ Please invoice me
- ☐ Please invoice my company

Easy Ways To Register

Telephone: +201095004484 to provisionally reserve your place.	Fax your completed registration form to: +20233379764	E-mail to us : info@gh4t.com or training@gh4t.com	Complete & return the booking form with cheque to:Global Horizon 3 Oudai street, Aldouki, Giza, Giza Governorate, Egypt.