



Training Course :

SCADA System: Application and Practical Design

Training Course For One Week In

UAE , Dubai , Cityseason Suites Hotel

Which Be Held As Under Details :



Abar Solutions Petroleum Consultancy Invite Your Employee To Participate With Us In Special Training Course As Under Details :

Course Name		SCADA System: Application and Practical Design			
Code	Period	Language	Start	End	Location
ICT 025	5 Days	Bilingual (Arabic & English)	13/08/2017	17/08/2017	UAE , Dubai , Cityseason Suites Hotel
			03/09/2017	07/09/2017	
			08/10/2017	12/10/2017	
			12/11/2017	16/11/2017	
			10/12/2017	14/12/2017	
			14/01/2018	18/01/2018	
			11/02/2018	15/02/2018	
			11/03/2018	15/03/2018	
			15/04/2018	19/04/2018	
			20/05/2018	24/05/2018	
			10/06/2018	14/06/2018	
22/07/2018	26/07/2018				

**** The Fees Includes : Lecturer , Training Material , Training Room With One Coffee Break Daily , Certificate Of Attendance In Last Day Training Course ****

Course Description

⇒ This Supervisory Control and Data Acquisition (SCADA) System Training program is designed to give good understanding and knowledge on SCADA System architecture and practical design, including skill enhancement of installing-programming of Master Terminal Unit (MTU, remote terminal Unit (RTU), MTU/RTU communication, MTU/RTU Port List as well as understanding of MTU/RTU software features, MTU/RTU program down load and up load, Reading and Writing module Data of MTU/RTU, SCADA system communication protocol, MTU/RTU redundancy, MTU/RTU programming for logic and PID Regulatory control. Polling and acceptance report, Input/output server and Human Machine Interface (HMI). The focus is this course is bring the participants learning about

SCADA system philosophy by hands of practice directly on the integration of MTU and RTU with SCADA system software to collect geographically distributed facility data and to optimize the management of asset

Course Objectives

⇒ **WHAT YOU WILL LEARN**

⇒ After completing this course, the participant should be able to understand the concept of SCADA system architecture and application design, build and configure the MTU and RTU modules as well, program the MTU and RTU, use sequential and PID controller implementation of MTU/RTU, Input/output communication to get RTU data, set -up polling and exception report of MTU/RTU, link the MTU/RTU with supervisory computer and use Human Machine Interface (HMI to optimize the operation of SCADA.

Course Content & Outlines

⇒ **SCADA System Overview**

- Typical SCADA System Applications
- Master Terminal Unit (MTU)
- Remote Terminal Unit (RTU) Hardware
- MTU/ RTU System Software and Configuration Set

⇒ **Communication Protocol and Programming**

- Ladder Logic Programming
- Logic and Sequential Programming
- Polling and Data Logging

⇒ **PID Controller Programming**

- Exception Reporting
- System Redundancy
- Input /Output Sever (Driver)

⇒ **Human Machine Interface (HMI)**

- Real Time /Historical Trending
- Dynamic Data Exchange (DDE & OPC Technology
- Historical Database System

⇒ **Multi Protocol/ Multi Brand Instrument System Integration**

- Use of GSM/ GPRS in SCADA System
- Link to Office Applications
- Discussion and Closing