105550-CSX-12CMST-E-2004
Project Coordinator / SCADA Consultant Engineer

Holds a B. Sc. in Telecom & Electronics Engineering and has over 16 years hands-on experience working in Electrical substations, SCADA system and Automation, control and Telecommunication systems.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	06/02/1982
Gender	:	Male
Residence	:	Giza, Cairo

EDUCATION

: B. Sc. in Telecom & Electronics Engineering, Cairo University, 2004

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project
: MS Visio
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: PMP: Project Management Professional training course, and currently preparing to pass the PMP exam.
: SCADA & RTU Training Course : Microsol (RTU and SCADA) Systems.
: OTDR (F.O cable tester), U.A.S TRAINING ACADEMY (JDSUMTS OTDR) "Fiber Optics cable Tester".
: Fusion Splicer (Fiber optic splicer), U.A.S TRAINING ACADEMY (SUMITOMO FUSION SPLICER) "Fiber Optics cables Splicer".
: SDH and PDH Fundamentals: Training Course on SDH Fundamentals, frame structure and SDH network in NTI (National Telecommunications Institute) (Sep./Oct. 2007).
: SDH Installations & Commissioning: Training course in ABB SDH commissioning and tests.
: CCNA certified from CISCO (Nov. 2010).
: Training Course in GSM & GPRS at Jelecom Company (Jan./Feb. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2018 till now
Employer : DNV.GL, Egypt
Project : Construction & Upgrading of Distribution control centers) aims at implementing full scale state-of-the-art SCADA/DMS/RTU/communication systems at East Alexandria Distribution Control Center, owned by Alexandria Electricity Distribution Company (AEDC), to monitor and control Distribution Points (DP's) and Kiosks (medium voltage) in a safe and reliable manner
Job title : SCADA Consultant Engineer
Job Description :

- Establish the SCADA/DMS at Distribution Control Centers (East Alexandria Distribution Control Center) as a modern system that can meet current and future challenges in network operations.
- Upgrade and install a distribution equipment automation infrastructure to support East AEDCC'S distribution automation.
- Establish the required communication infrastructure to support East AEDCC'S telecommunication infrastructure.
- Refurbishment or establishment of the Control Room and related control centre rooms in East Alexandria Distribution Center.
- DNV GL company role is consultant for EEHC to produce the tender document, review the contractor design and supervise the implementation.
- My role is Project Coordinator and SCADA / DMS Consultant.

Dates : From Jul. 2014 till Mar. 2018
Employer : TAQQAT Global Ltd (KSA)
Job title : Project Manager
Job Description :

- Reinforcement of SAKAKA 33/13KV Substation, North Region - Saudi Arabia: Responsible for integration, communication arrangement between team members and owner, assuring & control the project quality, and supervise the project budget and scope.
- Expansion of 33/13KV Substation: My role was a Project Manager and the project is adding new 4 feeders.

Dates : From May 2011 till May 2014
Employer : Electrical Power System Company (KSA)
Job title : SCADA Projects Engineer
Job Description : EPSE is specialized in control system for Power Stations such as RTUs (Microsol, GE-D20), SOE (Microsol, GE-D20), DSM (SRAFE, Logiclab) and TFR (SRAFE, LogicLab). My main Role was installing, testing and commissioning these systems and below are some of projects I worked in:

- (WRCC) Western Region Control Center, Jeddah – Saudi Arabia: The project scope was upgrade existing Micrsol RTU from the old Conitel protocol to new (IEC-101 protocol and IEC-104) communication protocols to connect 6 Substations in different voltage levels (380KV, 110KV, 13.8KV):
  - Designed (Microsol RTU) system in compliance with the end user, Saudi Electricity Company (SEC) requirements such as replacing old processor and network cards with a new network cards and

processor which support IEC-104 and IEC-101 protocols.
  - Performed Site Acceptance Test (SAT) at substation that successfully conducted.
  - Prepared database needed for the RTU and made the required segregations, and Mapping where all 13.8KV signals should report to DCC while 110KV & 380KV signals should report to WRCC only.
  - Installed hardware equipment, set-up software, and communication channel testing at load dispatch center throughout Jeddah region.
  - Held Point to point test for all signals from marshalling (SCADA interface) up to control centers.
- Zallum village 33/13.8KV substation, Dammam - Saudi Arabia: Saudi Electricity Company SEC (project owner) decided to construct a new substation with voltage level 33/13.8KV and called Zallum Village, SEC signed a contract with a PACOST company as a contractor to for excuiting the project turnkey, and PACOST had EPSE to supply, design, install, testing and commissioning of SCADA (RTU) system in this project:
  - Prepared the technical offer for the company proposal team.
  - Designed (Microsol RTU) system in compliance with the end user SEC requirements.
  - Performed Factory Acceptance Tests (FATs) of RTU at Microsol factory and Site Acceptance Test (SAT) at the substation.
  - Prepared database needed for the RTU.
  - Installed hardware equipment, set-up software, and communication channel testing at load dispatch center throughout Dammam region.
  - Customer training on various modules of Microsol RTU.
  - Software/documentation delivery to customer.
- The Power Factor Correction project for five 115/13.8KV substations, Eastern Province - Saudi Arabia: My role was to upgrading the existing RTUs (CG Microsol, and GE-D20) at a number of five substations:
  - Prepared the technical offer for the company proposal team.
  - Re-designed the existing RTUs (CG Microsol and D20) in compliance with the end user, Saudi Electricity Company (SEC) requirements.
  - Prepared database needed for the RTU.
  - Installed hardware equipment, set-up software, and communication channel testing at load dispatch center throughout Eastern region.
  - Software/documentation delivery to customer.
- Installation, testing and commissioning of new GE-D20 RTU at Jubail South S/S at Jubail, Saudi Arabia.
- Installation, testing and commissioning of new CG Microsol RTU at Qatif PSP at Dammam, Saudi Arabia.
- Expansion of six (6) GE-D20RTUs at Dammam, Saudi Arabia.
- Installation, testing and commissioning of a new SARAFE DMS (Dynamic Monitoring System) at Jubail North S/S at Jubail, Saudi Arabia.
- Replacement of old 20 RTUs with CG Microsol new RTUs in 20 different locations.

Dates : From Jan. 2006 till Apr. 2011
Employer : SCADA Innovations Company, Egypt and Libya
Job title : Telecommunications & SCADA Projects Engineer

Job Description :

- SCADA Innovation is an Egyptian Company had an agreement with ABB to build a new 10 Distribution Control Centers (10 DCCs) in Libya where the end user was General Electricity Company of Libya (GECOL). The project scope included installing new RTUs in substations, wiring the signals from the field (Switchgears, transformers, control and protection panels), and creating of a new Telecommunication media using 3 different types (fiber optic network, PLC (power line carrier), and GPRS).
- GECOL's 10 DCC project is considered the largest Electrical sub-transmission system in Africa. This project aimed at enabling GECOL to monitor and control its sub- transmission networks including 66KV, 30KV and 11KV substations around the country.
- Participated in site surveys for the substations to be integrated with the 10 DCC systems. I worked on the base design, and detailed design.
- Participated in installing, and successfully tested & commissioned more than 500 SDH (ABB FOX 515 D & FOX515X) nodes.
- For Tripoli DCC, Benghazi DCC and Zawia DCC. I participated in installing, and successfully tested & Commissioned Dell servers, work stations, Cisco Switches, Cisco routers, Cat6 cables, fiber optic cables, video wall, SCADA HMI, SCADA, UPS, Batteries, Master RTU (Brand: SAT), and Dummy RTU.

Field of experience :

- Project Management, and I have attended PMP training course and working to pass the PMP exam in within 2 months. Experinced in Project managment for 4 years.
- Team leadership to deliver the project requirments within given time frame.
- Good experiences in arranging the work between customer, vendors and consultant.
- Full understanding of Electrical Substation Systems.
- Good understanding of Designing substations Power systems and familiar with its requirements such as switchgears, power cables, GIS, transformers and Capacitor Banks.
- Power Control centers, I have participated in 3 control centers in installations, testing and commissioning, including servers, network switches, Routers, eathernet cables and master RTU.
- Familiar with substation Protection and control system.
- Expert in SCADA, RTUs, systems design, installation and testing & commissioning.
- Experinced in SCADA and RTU brands such as GE D20, CG Microsol, ABB and Telegyr.
- Experience in SCADA protocols such as IEC 60870-5, IEC 60870-5-104, DNP3 and conitel.
- Full understanding of Substation Automation System (SAS), IEC 61850 protocol, GOOSE revision 1 and GOOSE revision 2.
- Design, installation, testing & commissioning, and maintenance of SDH/PDH networks.
- Understanding of Fiber Optic networks and I had a training on Fiber optic cables splicing and testing.
- Good understanding of GPRS/3G telecommunication system.
- Microwave system design, installation and testing & commissioning.