

Holds a B. Sc. in Electronics & Electrical Communications Engineering and has over 15 years hands-on experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 14/11/1983
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electronics & Electrical Communications Engineering, Cairo University (EI-Fayoum branch), 2005

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

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

TRAINING COURSES AND CERTIFICATIONS

- : Advanced course in PLC SIEMENS S7-300 in EI-Kureimat Training Centre (Jan. 2014).
- : Advanced course in motorized valves (AUMA VALVES) matec & Tec, this course covered the latest techniques of electric control of mechanical application using the electric actuator technology (by Arabian Telecontrol & Engineering Centre) (Mar. 2014).
- : Advanced Course in Turbine Generator Control System "ALSPA P320 TGC" V2+ with ALSTOM Power Generation Company, Mannheim, Germany (Mar. 2010).
- : Advanced Course in Turbine Generator Control System "ALSPA P320 TGC" V2+ and AVR Control System with ALSTOM Power System Company, Belfort, France (Apr. 2010).
- : Advanced course in SCADA system by using RSVIEW32 software, Sahara Group (Oct. 2009).
- : HMI MARK V TRAINING in field by GE.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Feb. 2016 till now
Employer : Al Toukhi for industrial trading and contracting – KSA
Project : Conversion of Hail 2 simple cycle to combined cycle power plant 170MW, has 4 HRSG Amec Foster Wheeler, STG Siemens, ACC (air cooling condenser) SPX, Water treatment Power plant controlled by Siemens DCS
Job title : Lead I&C Engineer
Job Description :

- Installation field instrument for 4 HRSG, supplied by Amec Foster Wheeler.
- Installation field instrument for STG 170MW, supplied by Siemens.
- Installation field instrument for ACC, supplied by SPX.
- Installation field instrument for water treatment plant, supplied by OVIVO.
- Installation field instrument for diverter damper, supplied by Clyde Bergmann.
- Installation field instrument related to piping HP/LP steam.
- Installation field instrument for boiler feed pump & condensate pump and Deaerator, supplied by SULZER.
- Installation of Cable Trays, Lying of Instrument / control Cables impulse tubing.
- Install DCS for all power plant, supplied by Siemens India SPPA-T3000.
- Install DCS for STG, supplied by Siemens Germany SPPA-T3000.
- Installation of DCS system architecture, fiber optics, profibus and CAT 6 cables.
- Pre-commissioning and start-up activities for all instrument and control system in power plant.
- Calibration of all field instruments like, Pressure, Flow, Diff. Pressure, Level Transmitters, switches and valves.
- Preparation of As built for Logic Diagram, Functional Block Diagram, P&ID, PLC Loop Schematic, Wiring Diagrams, GA Drawings, I/O Assignment, Interconnection Details, etc.

Dates : From Feb. 2015 till Feb. 2016
Employer : Saudi Services for Electro-mechanic Works Co. (S.S.E.M) – KSA
Project : Rafha Power Plant – II Extension I Project
(GTG Siemens frame SGT6 - 2000E - control system SPPA-T3000 - Power Plant controlled by Emerson DCS)
Job title : Senior I&C Construction & Commissioning Engineer
Job Description :

- Installation all field instrumentation for GTG (vibration, speed sensor, thermocouple and key pharos).
- Install DCS for GTG, supplied by Siemens Germany SPPA-T3000.
- Install DCS for all power plant, supplied by Emerson.
- Execution of all Instrumentation Jobs for Crude oil Storage Station.
- Erection/Cabling/Termination of Marshalling Panels & I/O Panels.
- Calibration of HART Field instruments like, Pressure/Flow/Diff. Pressure/Level Transmitters (ABB, Rosemount)/Pressure & Temp. Gauges, Control Valves (Siemens).
- Execution of all the Instrumentation Jobs for loop checking (cold & hot).
- Installation and testing for MINIMAX AND NOTIFIRE fire alarm system.
- Commissioning and start-up activities for all systems.

Dates : From Dec. 2013 till Jul. 2014
Employer : Samsung C&T
Project : Qurayyah Independent Power Project (QIPP) – KSA:

- 12 SIEMENS GAS TURBINES (230MW) TYPE NO: SGT6-5000F.
- 12 HRSG.
- 6 SIEMENS STEAM TURBINES.
- Siemens control system HMI SPPA-T3000 (Siemens Power Plant Automation).

Job title : I&C Commissioning Engineer
Job Description :

- Test and commissioning and start-up for:
 - 12 Siemens gas turbines and generator (230MW).
 - 12 HRSG supplied by Samsung C&T.
 - 6 Siemens steam turbines and generator (250MW).
- Calibrating the instrument for all turbine and HRSG auxiliary systems.

Dates : From Feb. 2007 till Dec. 2013
Employer : Electrical Authority North Upper Egypt Zone
Project : El-Kureimat 2x650MW Power Plant:

- 2 GE Steam Turbines 650MW, Control system is MARK V HMI.
- 2 Conventional Boilers, 36 Burners (BABCOCK WELCOX – Canada).
- Water treatment plant (BAMAG), Control system is PLC GE FANUC.
- The plant is controlled via WESTINGHOUSE DCS control system.
- Auxiliary system controlled by Allen Bradley PLC 5, SLC 500.

Job title : I&C Maintenance Engineer
Job Description :

- Calibrating all kinds of field instruments connected to turbine different systems.
- Adjustment and check turbine vibration detectors and make configuration for turbine supervisory instrument (Bentley Nevada system).
- Analyzing and troubleshooting the problems related to hardware or Software for control systems.
- Preparing the required spare parts list and preventive maintenance schedules.
- On overall outage for GE LST to maintain turbine aux. system in good condition.
- Upgrade MKV system from <I> to <HMI> by change MKV EEPROM and software in order to use simplicity software under WINXP.
- Install turbine supervisor instruments and adjust the offset for: Differential expansion, wear detector for thrust bearing, eccentricity, speed sensor, rotor expansion and key phasor.
- Trouble Shooting & Maintenance Software and Hardware for Air Compressors.
- Maintenance for All Field Instruments for Water Treatment and Polishing System like Pneumatic Control and ON/OFF valves, Transmitter (Flow, Level, Pressure, and Temp), Thermocouples, RTD Devices, Switches (pressure, differential pressure and temp.) and Indicators Motorized Control valve (Auma).
- Diagnostic problem in PLC include (on line) this work include Upload, down load program from PLC and to PLC.
- All boiler filed instruments test, calibration, loop checks & maintenance.

Dates : From Jul. 2005 till Feb. 2007
Employer : Kouta Steel Group
Job title : I&C Maintenance Engineer
Job Description : Maintenance for all instrument and control system using PLC Siemens S7-300.

Field of experience :

- Managing projects from conception, pre-production through to completion.
- Providing technical support to the project team and wider regional teams.
- Responsible for overseeing the review initiation and execution of erection and works.
- Pre-commissioning, commissioning and start-up support to operations.
- Managing project material and keeping costs down.
- Technical supervision engineering & quality check for design drawings.
- Overseeing the maintenance of projects after completion.
- Ability to multitask in a demanding engineering environment.
- Delivering projects on time and within budget.
- Resolving complex technical issues and coming up with fast efficient solutions.
- Identify & analyze design changes & modify design drawings & documents accordingly.
- Responsible for selection of equipment and materials to project requirements.
- Resolving and responding to technical queries from engineering contractors / vendors.
- During the Construction phase, assist in ensuring that technical standards and specifications are complied with.