

Holds a B. Sc. in Electrical Engineering and has over 14 years hands-on experience working in I&C field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/05/1980
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Engineering, 2004

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Two weeks training in Siemens PLC step 7.
: Two weeks training in Wonder Ware SCADA.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2017 till Jun. 2019
Employer : FieldCore Service Solutions International LLC (a GE Company)
Project : GTG Rehabilitation by Replacement of Major Parts Project - 8 GTG (GE-7EA), BOP Area - KSA
Job title : Lead Instrument & Control Engineer
Job Description :

- Lead I&C Commissioning Engineer:
 - Achieve HSE awareness on the job to ensure full buy-in of the HSE policies by all staff which helped to achieve the HSE targets.
 - Manage the I&C activities as Installation and commissioning such as loop check and function check for all instrumentation to MV/le

Control & DCS.

- Daily and weekly reporting for Loop check and functional test activities; Preparation of the Punch lists.
 - Participate in Plant commissioning activities, raise I&C punch list items and warranty claims as appropriate.
 - Daily and weekly reporting for Loop check and functional test activities; Preparation of the Punch lists.
 - Report to Commissioning Manager regularly with Daily & weekly report and when decisions impacting I&C activities must be taken.
 - Manage interfaces Internally with construction disciplines, third party vendors, QC and externally with Consultant PMC and client to ensure task completion on time.
 - Manpower planning and utilization, target focused work planning and execution, maintaining quality oriented workmanship to complete the project in time.
- I&C Engineering Engineer:
 - Carry out preliminary and basic facilities engineering studies/design in-house.
 - Coordinate preparation of instrument design deliverables for ongoing flow lines hook up and other brownfield projects.
 - Prepare requisitions for Instrumentation material procurement and perform technical bid evaluation.
 - Define, specify and carry out necessary technical studies to propose robust and optimized technical solutions.
 - Prepare scope of work, cost estimates, budgets, and technical dossiers for instrumentation activities.
 - Plan and organize the supervision of the offshore instrumentation survey campaigns to ensure technical compliance of the contractors with the Contract/Frame Agreement.
 - Lead the technical review of the bidder's proposals and prepare technical recommendations accordingly.
 - Check and approve instrumentation engineering deliverables received from Contractors for Basic /Detailed Engineering.
 - Coordinate the review of Vendors deliverables, interpret facilities engineering drawings, designs and make necessary recommendations.
 - Follow-up Purchase Orders of instrumentation equipment to ensure timely approval, conformity of design & participate in technical reviews and FAT with Vendors.
 - Interact with Technical Safety, Process, Piping, and Mechanical disciplines mainly and interface with Procurement.
 - Report to Engineering Manager regularly with a weekly report and when decisions impacting I&C activities must be taken.

Dates : From Feb. 2015 till Dec. 2017
Employer : Arabian Bemco Contracting Co. LTD
Project : Combined Cycle Power Plant PP10 five Blocks 4600MW - 40 GTs (GE-7EA-55MW) + 40 HRSGs (NEM) +10 STGs (GE-SC4- 128MW) + 10 ACCs Air Cooled Condenser - KSA

Job title : Senior Instrument & Control Engineer
Job Description :

- Commissioning of Combined Cycle Power Plant PP10 ten Blocks including SAT, Loop Check & function test with GE MVle DCS for HRSG, STG & firefighting Systems.
- Energize & Termination & Ground check for DCS MVle.
- Troubleshooting for the Operating Combined Cycle units.
- CMMS Project (Functional Location, PM, BOM).

Dates : From Sep. 2014 till Jan. 2015
Employer : TECHINT for Engineering & Construction
Project : AIN SOKHNA Supercritical steam turbines 2x650MW

Job title : Senior Instrument & Control Engineer
Job Description :

- Commissioning & Calibration of Instrumentation, Valves ...etc. of CP-118 including SAT, CLC, HLC & Function Test for BONO Auxiliary Boiler, CAMERON Centrifugal Air Compressors, Feed water system, Demi water system, Sump Pump systems, Nitrogen generation Plant, Solar Tank, Mazout Tank & HVAC System.
- SIMPLEX Fire alarm & Firefighting systems (FM200 System, Jockey, Electrical, Diesel pumps, Smoke Detectors, Heat Detectors, Deluge Valves, Pull Station, Horn, Siren... etc.) for all power plant.

Dates : From May 2014 till Aug. 2014
Employer : Combined Group for Contracting Co.
Project : Kuwait Oil Company KOC – Storage Chemical Tanks - Kuwait
Job title : Senior Instrument & Control Engineer
Job Description : Commissioning of Storage Chemical Tanks including Calibration, SAT, and CLC, HLC & Function for field Instrumentations, fire alarm and firefighting.

Dates : From Oct. 2012 till Apr. 2014
Employer : TECHINT for Engineering & Construction
Project : AIN SOKHNA Supercritical 2x650MW
Job title : Instrument & Control Engineer
Job Description :

- Commissioning & Calibration of Instrumentation, Valves ...etc. of CP-118 including SAT, Loop Check & Function Test for BONO Auxiliary Boiler, CAMERON Centrifugal Air Compressors, Feed water system, Demi water system, Sump Pump systems, Nitrogen generation Plant, HVAC System.
- SIMPLEX Fire Detection, Fire alarm & Firefighting systems for all power plant.

Dates : From Dec. 2011 till Aug. 2012
Employer : Ansaldo Energeia Co. LTD
Project : 6 October Power Station Project 4x150MW
Job title : Instrument & Control Engineer
Job Description : Commissioning and maintenance of Power plant systems like Fuel Skid, pulse cleaning system, firefighting system, raw water system, demi water system, closed cooling, fuel oil system Air Compressor and HVAC system

with ABB Symphony Harmony control system.

Dates : From Mar. 2008 till Nov. 2011
Employer : Cairo Electricity Power Company
Project : Cairo North Combined Cycle Power Plant Two Modules 1500MW - 2 GTs - GE-9FA- 2 HRSGs (NEM) + STG ALSTOM + 2 GTs – Mitsubishi + 2 HRSGs (NEM) + STG HITACHI
Job title : Instrument & Control Maintenance Engineer
Job Description :

- Major, Combustion and (HGP) inspections of 4 Gas Turbine.
- Maintenance, Calibration of All Field Instrumentation & Valves with MVI, MVle, and DIASYS control systems.
- Maintenance of BN 3500 vibration Monitoring system, ATLAS COPCO Air compressors, Gas Compressors, PARKER Diverter Damper, Fire alarm, Firefighting systems and Nitrogen Generation Skid.

Dates : From Jan. 2005 till Feb. 2008
Employer : Electro Hydraulic Automation (LG Industrial systems)
Project : Upgrade the Control and Automation of all the industrial lines, Cairo
Job title : Instrument & Control Engineer
Job Description :

- Upgrade the control and Automation of all the industrial lines such as Textile, Plastic, food production using PLC, VFD & HMI.
- VFD installing, programming and troubleshooting.
- Technical support for GEFran instrumentation & LG PLC.

Field of experience :

- More than 14 years hands-on experience in I&C Systems Start-up, Commissioning and Troubleshooting of large capacity Gas Turbine, HRSG, Steam turbines & Utilities.
- Achieve HSE awareness on the job to ensure full buy-in of the HSE policies by all staff which helped to achieve the HSE targets.
- Review of control philosophy, P&I diagrams, cause & effect diagrams, instruments list.
- VFD installing, programming and troubleshooting.
- Calibration of Instrumentation, Valves.
- Manage the I&C activities Installation and commissioning such as loop check and function check for all instrumentation, Control, PLC, DCS, SCADA, HMI, and RTU Systems.
- Fire alarm, Fire Detection & Firefighting Systems.
- Vibration Monitoring System (Bentley Nevada & Seismic).
- Diverter damper (PARKER, BACHMANN), operation and control.
- GE Control Systems MVI, MVle.
- Gas Compressors, Air compressors (ATLAS COPCO Piston-type & CAMERON Centrifugal).
- Different inspections like major inspections, Combustion inspections and hot gas path (HGP) inspection for General Electric (GE), Mitsubishi (MHI) and Ansaldo Gas Turbines.
- Review vendors' documents, maintenance manuals, and spare parts lists.
- Draft Instruments maintenance procedures necessary for Plant operations and participate in CMMS development and implementation.

- Participate in Plant commissioning activities, raise I&C punch list items and warranty claims.
- Daily and weekly reporting for Loop check and functional test activities.
- Study of PID, Instrument data sheets for all field instruments.
- Checking of total instrumentation and controls for package equipment's like turbines, air compressors, and heavy machinery.
- Manage Sub-Contractors representative for I&C activities.
- Manage interfaces Internally with construction disciplines, third party vendors, QC and externally with Consultant PMC and client to ensure task completion on time.
- Manpower planning and utilization, target focused work planning and execution, maintaining quality oriented workmanship to complete the project in time.
- Support and guidance to the Construction team to clarify the proper Installation of field Instruments to follow as per hock-up drawings.
- Manage the activities such as continuity check, loop check and function check for all instrumentation, Control, PLC & Control Systems with Daily and weekly report.
- Installation and commissioning of DCS, PLC, SCADA, HMI.
- Validate 'as-built' drawings against the actual site conditions through detailed site survey.