105728-CSX-1OS-E-1996
I&C Project Engineer

Holds a B. Sc. in Electronics Engineering and has over 20 years hands-on experience working in I&C field at Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	01/09/1971
Gender	:	Male
Marital Status	:	Single
Residence	:	Alexandria

EDUCATION

: B. Sc. in Electronics Engineering, Menoufia University, 1996

LANGUAGES

Arabic	:	Native Language
English	:	Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: Attending HRSG control & instrument, NEM - HOLLAND.

: Attending a Training in DCS "ELSAG – BAILEY INFI90":
- INFI 90 DCS Process Control Unit.
- INFI 90 DCS Logic CAD/TEXT.

: Training for SPPA-T3000 Distributed control System for Turbine (Trainer: SIEMENS Company).

: Main Boiler and Ax Boiler (Trainer: Babcock & Wilcox Co.).

: Desalination Plant, Babcock – Hitachi.

: Water and Waste water Treatment (Trainer: EMIT Co.).

CHRONOLOGICAL EXPERIENCE RECORD

Dates	:	From Aug. 2014 till Mar. 2018
Project	:	Rabigh Power Plant 4x700MW, KSA
Job title	:	I&C Project Engineer

Dates : From Apr. 2011 till Dec. 2012
Employer : Kharafi National Egypt
Projects : Damietta Project Simple Cycle 4x125MW and West Damietta 4x125MW
Job title : I&C Senior Project Engineer - Commissioning & Start-up
Job Description : Commissioning and Start-up for 4 Gas Turbine Frame (9E) with Mark VI control:

- Responsible for quoting new projects after analyzing work scope and manpower needed.
- Responsible for writing Pre-Commissioning & Commissioning Procedure for new Projects.
- Responsible for directing the manpower in the installation and assembling of the various instrumental systems, control panels, fire protection system, gas detection System, electrical system, and the relevant internal cabling & Field interfaces.
- Responsible for energizing control and electrical panels.
- Responsible for providing all technical information.
- Responsible for performing the unit start-up, loading.
- Assign work to the site engineer in accordance with company' policies and procedure.
- Pre-Commissioning & Commissioning GT's.
- Providing all technical information for the customer.
- Commissioning Fire fighting and fire protection of Gas Turbine.
- Power-Up and Energized All control Cabinets and control panels and PEEC's.
- Cold loop, Hot loop checks and Function checks for the Gas turbine Signals.
- Function check for all GT's Equipments.

Dates : From Jun. 2006 till Jan. 2008
Employer : KHARAFI NATIONAL KUWAIT
Project : DOHA WEST THERMAL POWER PLANT 8x300MW, Kuwait
Job title : I&C Site Engineer
Job Description :

- Coordinate with other departments the execution and shutdown works overhauling.
- Review of drawings, designs, modifications and specifications, inspection of ready units, and also preparation of status of work reports.
- Supervise and monitor the site labour force through General Foreman and or Supervisors, monitoring the work to complete the work as per customer's satisfaction.
- Review and monitor submittals and shop drawings.
- Follow safety rules and ensure close adherence to the safety, environmental and quality requirements.
- Prepare progress reports.
- Responsible for continuity, loop checks & function test.
- Responsible for providing all technical information.
- Responsible for commissioning support.
- Responsible for supervising calibrations for all valves types.
- Flow, pressure and level instruments, plus all various pump protection sensors and equipment. Hardwire logic troubleshooting and loop detection and testing.

Dates : From Nov. 2005 till Apr. 2006
Employer : TECHINT CIMIMONTUBI
Project : CAIRO NORTH POWER STATION 750MW COMBINED CYCLE PROJECT II
Job title : I&C Commissioning & Start-up Engineer
Job Description :

- Fuel Gas Compressor.
- Diverter Damper.
- Instrument and Service Air System.
- Fire Alarm and Fire Fighting System.

Dates : From May 2002 till Jul. 2003
Employer : EDF
Project : East Port Said Thermal Power Plant 2x341MW
Job title : I&C Commissioning & Start-up Engineer
Job Description : Adaptation, Installation and site acceptance tests for the following:

- Supervision of subcontractor.
- Foster Wheeler Boiler control instrument adaptation & commissioning.
- Toshiba turbine control instrument adaptation & commissioning.
- Auxiliaries control instrument adaptation & commissioning.
- All the above systems including smart valves, transmitters & control systems are managed with ALSTOM DCS SYSTEMS.

Dates : From Aug. 1998 till 2006
Employer : West Delta Electricity Production Co.
Job Description :

- Worked as an I&C Superintendent in Sidi Krir Thermal Power Plant 2x320MW: Carried out the installation, commissioning, trouble shooting, preventive maintenance, repair, calibration and modification activities on wide range of electric, electronic and micro-processor based systems like DCS, PLC's.
- Full responsibility of Steam generator instruments, logic and control system (Distributed Control System) DCS "ELSAG – BAILEY INFI 90":
  - Boiler Unit Operation Logic.
  - Commissioning of "B.M.S" Burner Management System and Modify Cad Logic.
  - Burner Tuning.
  - Loop Check and Stroke All Valves and Dampers.
  - Maintenance and Trouble Shooting "F.P.S" Fossil Power System.
  - Maintenance and Calibrate All Pneumatic Valves (Fisher, Copes Vulcan, Siemens, Foxboro & Nuovo Pignone), Actuator (Bailey, Automax) and Controller (Fisher).
  - Maintenance and Calibrate (Pressure, Temperature, Level) Switches.
  - Maintenance and Calibrate Smart Transmitters (Rosemount).
  - Maintenance and Trouble Shooting Vibration System (Bentley Nevada).
  - Maintenance and Trouble Shooting "F.D" Fan (Forced Draft Fan), "G.R" Fan (Gas Recirc. Fan).
  - Commissioning and Trouble Shooting PLC 5 System Hardware &

Software for: Aux.boiler, Air Pre-Heater, Soot blower.

- I WAS TRAINED BY BABCOCK & WILCOX AND I HAVE A QUALIFICATION & COMMISSIONING CERTIFICATE FOR ALL THE PREVIOUS.
- During this period I have attended the installation & commissioning of some of the controllers and field instruments belonging the following parts:
  - Fire fighting.
  - Air compressors and Air dryers.
  - Desalination Plant.
  - Motor & turbine have driven pumps.
- Also I have worked in the following control systems: Siemens PLC, TelepermXP (Upgrade the system to the SPPA-T3000), distributed control system for the steam turbine.

Field of experience :

- Key words: Instruments and control (I&C), DCS, PLC, SCADA and automation.
- Extensive experience gained primarily in power generation: Gas Turbine (GT), Steam turbine (ST), Heat Recovery Steam Generator (HRSG), Water Treatment, Blending plant, and Desalination (MSF) & RO, and Fuel Oil tanks and Pipe lines.
- Through my experience gained, it has led me to be adept at multicultural team management and adaptable to any situation, not only in I&C but also from an in-depth Electrical and Mechanical perspective. Have a high degree of quality awareness with strong technical analytical skills.
- Execute, Supervise and Manage the Instrument construction, SAT, commissioning, FAT, O&M, modification and de-commissioning activities with all quality and safety requirements as per procedure at the site on a day-to-day basis.
- Establish and maintain timely completion of Instrument activities as per project plan and schedule.
- Review of all the engineering drawings (PID, Loop Drawing, Logic diagram, schedule, layouts……etc.) and identify any Modification as required as site condition, Discuss and solve any technical Query and Final Review of marked-up, as-built drawing and handover to the client.
- Provide recommendation for all malfunctions in the process and provide the implementation required (Instruments installation, new logic & graphic drawing, new alarm management, new up gradation ….etc.).
- Implement whatever required for the plant reliability and availability by Schedule and control the daily, routine, PM, CM, overhauls, emergency maintenance and planned shutdown in order to efficiently and safely complete all the activities well within the desired time.
- Maintain inventory of spares for the year, and initiate procurement in order to ensure their availability during overhauls and emergency maintenance and thereby ensuring the quality and timely completion of work.