104684-ICX-1CMOS-E-1994
Senior I&C Maintenance Engineer

Holds a B. Sc. in Electrical Engineering and has about 28 years hands-on experience, including 22 years working in I&C field at Power Plants.

PERSONAL DATA

Nationality	:	Egyptian
Birth Date	:	18/11/1971
Gender	:	Male
Marital Status	:	Married
Residence	:	Dakhalia

EDUCATION

: B. Sc. in Electrical Engineering, Mansoura University, 1994

LANGUAGES

Arabic	:	Native Language
English	:	Very Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Amplissma

TRAINING COURSES AND CERTIFICATIONS

: DCS OVATION 3.5.1 (Apr. 2016).
: Nuclear Safety and Security training (Jun. 2015).
: Rockwell automation SCADA system (2012).
: SAP/SERVICE ORDER (2011).
: MARK VI TURBINE CONTROL, GE TRAINING (Jul. 2008).
: HMX HYDROGEN GENERATOR, TELEDYNE TRAINING (Jul. 2008).
: I&C Maintenance (2006).
: AMPLISSMA (UNDER WIN.) (2005).
: AMLISSMA (2004).
: WIN & EXCEL (2000).
: HARDWARE (1996).
: BASIC & FORTRAN (1991).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2019 till now
Employer : East Delta Electricity Production Co.
Project(s) : WDPP, which including two phases:
- WDPP phase is consists of 4 GT (GE) with MK VIe control +4 HRSG's (ANSALDO) + 250MW ST (ANSALDO) with ABB control and DCS (FOXBORO).
- NWDPP phase which is consists of 4GT's (GE) with MK Vie control + 4 HRSG's (Doosan) + 250MW ST (GE) with MK VIe control as total plant DCS control.

Job title : I&C Senior Maintenance Engineer

Dates : From Dec. 2017 till May 2018
Employer : EGYPTROL
Project : New HAIL Conversion Project from simple cycle PP to combined cycle PP located in Saudi Arabia - including four HRSG's operate one Siemens STG with SPPA-T3000 DCS system and related BOP and AUXILLARIES systems
Job title : I&C Commissioning, DCS Loop Check Engineer

Dates : From 2008 till 2017
Employer : SAUDI ELECTRICTY COMPANY
Project : Power Plant 8 located in RIYADH
(34 gas turbines with total output 2340MW with multi systems like axillaries, fuel systems, cooling system, fire system, hydrogen plant, water treatment plant)
Job Description :
- From 2011 till 2017:
  - Worked as Technical Support Engineer - I&C Systems Engineer in the Technical Support Division, responsible for the following:
    - Technical support studies:
      - Evaluate studies and reports for control and instrumentation systems including (the availability / reliability / malfunctions / obsolete...) then producing (analysis and solutions to improve/fix the relative systems.
      - Deploying the scope of works as upgrade solution or for new systems and all related data and documents.
      - Make studies and solutions for improving the performance and saving the costs and operation hours for calibration and maintenance activities.
    - Projects:
      Worked as the SEC Power Plant Representative for the I&C + DCS, Capital and short projects:
      - Deplying and preparing the SOW and all related data and documents.
      - Pre\post bid clarifications.
      - Study Bid documents (basic and detail design) to clarify the instrumentation & control and contractual notes / discrepancies to meet and satisfy the SOW requirements.
      - Review for approval the bidder technical submittal and

project relatives, FAT, SAT, Installation and commission procedures and tests.
    - Arrange the plane with bidder for execution through project milestone, work progress schedule, shutdown activates...etc.
    - Arrange for approval for delivery material.
    - Evaluate and recommend scope changes that may be required during project implementation phase in terms of technical validity and saving cost.
    - Meetings/liaison with bidder, other third parties for solving project requirements\obstacles.
    - Participate\supervision all project installation & commission stages including loop\function check, SAT.
    - Stublish and support/press to clear\finish the punish\snag list, TCC, PAC and FAC.
  - Operating services projects:
    - Release the Purchase Orders for calibration and repairing Service contracts for all energy and flow meters of the plant, also for all instruments equipment's.
    - Make the studies and reports to:
      - Improve the total calibration activity results in achieving the required benefit with saving time and cost.
      - Support the contractors and get the best benefits of his activities for power plant.
  - Arrange meetings/visits for different vendors, manufacturers and contractors to represent\discuss their products and services.
  - Give the technical support effort for maintenance division, covering the all systems mentioned in the second item below.
- From 2008 till 2011:
  - Worked as Instrumentation and Control + DCS Maintenance Engineer.
  - Troubleshooting and making the maintenance planning for different BOP SYSTEMS; a huge TIAC system (ALLEN BRADLEY PLC), PRS system, IOBH, WBH systems.
  - Training for technicians for I&C activities; calibration troubleshooting.
  - Technical support for I&C tasks: upgrading, follow-up service maintenance and new project contractors.
  - Troubleshooting and deploying the maintenance planning for Foxboro DCS system.

Dates : From 2007 till 2008

Employer : PAT (Power Automation Team)

Job title : I&C Test and Commissioning Engineer

Job Description :

- Leadership for SKODA supervisory company for entire loop check for the New TALKHA Power Plant 750MW C.C.P.P. and for EMERSON: DCS main contractor, with OVATION control system.
- Training for fresh graduate engineers.
- Monitor, instruct and control of the instrument field works and manpower.
- Instrument and control system function interlock and loop testing.

Dates : From 2000 till 2007

Project : Damietta Power Plant Combined Cycle 1200MW

Job title : I&C Engineer

Job Description :

- Responsible for doing Maintenance, calibration and troubleshooting:
  - For steam turbine control system; REC; 920, ALSTOM Co.
  - For HP & LP Bypass control system, Honeywell Co., and all it's auxiliaries i.e Hydraulic control system, BTG, Sweden, Drain valve's systems.
- Different types of actuators, transmitters, smart devices, I/Ps transducers ….etc.
- Familiar with ALSPA, PLC system, model: 5000.
- Air compressor control system; type eli, Italy.
- Air dryer system; type ISG, Italy.
- Used to DCS; WDPF and Ovation System, Emerson Co.
- Sharing other maintenance depart, on steam turbine minority & majority inspection.
- Firefighting system, NOTIFIRE system, model: 5000.
- Processing and deploying MPIS: maintenance procedure inspection system.
- Preparing maintenance plan strategies based upon equipment performance.
- Calibration, maintenance, troubleshooting.
- Training for technicians for instrumentation & control maintenance activities; calibration, installation maintenance, troubleshooting.

Dates : From 1999 till 2000

Job Description : Worked as C.T Maintenance Engineer in INTEC (international company for American scanner system; Picker, type PQ : CT & American X-ray system).

Dates : From 1995 till 1998

Job Description :

- Worked as C.T Maintenance Engineer in CROPS MEDICS, a multinational medical services company, ELSCINT C.T system.
- Installation, calibration, troubleshooting for Excel Scanner & American high voltage power supply system, DEL.

Dates : From 1994 till 1995

Job title : Site Engineer

Job Description : Worked in installation, cabling testing and for electrical protection and controlling systems.

Projects:

- Capital Projects:
  - Upgrade DCS projects for plant C, Gas station and ss9002 (IICS/EMERSON).
  - NEW CEMS for plant A, B and C (GBN/OPSIS).
  - Upgrade Gas detection system (ETECHS/SIEMENS).
  - New DCS installation for new Ext, Block D (ALTOKHI/FOXBORO).
  - Upgrade the TIAC control system (ARCO/ROCKWELL), SHORT CONTRACT.

  - New control system for diesel unlading area (ANASIA/ENDRESS+HAUSER).
  - Upgrade the Fire FIGHTING system of plant C (ETECHS/SIMPLEX): Participate the I&C portion of the SOW.
  - Upgrade the Fire FIGHTING system of FUEL TANKS SYSTEM: Participate the I&C portion of the SOW.
  - IMPROVEMENT PROJECT FOR THE DIESEL UNLOADING AREA, SHORT CONTRACT.
- Operational Services Projects:
  - Inspection and calibration of digital flow meters (SAICO).
  - Inspection and calibration of mechanical flow meters (SAICO).
  - Inspection, calibration of energy meters (ALFANAR).
  - Inspection, calibration of instruments equipment's (ALFANAR).
  - Test & inspection of firefighting systems in the power plant (ETECHS).
  - Foxboro DCS (Schneider).

Researches:

- Study of Power Plant (Damietta Power Station) & design of overhead transmission lines (double circuit).
- Estimation of energy losses in Delta Zone.