

100309-ICX-CMOS-E-1986
Senior Lead I&C Engineer / Instructor

Holds a B. Sc. in Electrical Electronics & Communication Engineering and has over 30 years hands-on experience working in Electrical Instrumentation and Control Systems in different kinds of industries.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 12/01/1963
Gender : Male
Marital Status : Married
Residence : Currently Kuwait

EDUCATION

: B. Sc. in Electrical Electronics & Communication Engineering, Assiut University, 1986

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Instruments & Control Systems Course at General Motors Corporation, Cairo (1989).
- : Power Generation Plants Instruments & Control System Course at Cairo University (1996).
- : 6 months Instruments & Control Maintenance Course at Con-Edison, New York, USA (1996).
- : Boiler Operation Course at El-Kureimat Site (1997).
- : 3 months Westinghouse DCS Operation and Maintenance Course at Westinghouse Electric Corp., El-Kureimat Site (2000).
- : 1 month General Electric Gas Turbine Maintenance course at General Electric Company (2008).
- : 1 month Leadership Management course at Egyptian Electricity Holding Company (EEHC), Leaders Center (2008).
- : 1 week in safety and healthy work, Upper Egypt Electricity Production Company (UEEPC) (2009).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Jun. 2016 till now
Employer : Ministry of Electricity and Water (MEW), Kuwait
Project : Alghanim International Company
Job title : Sr. Lead Instrumentation and Control Engineer
Job Description :

- Maintenance activates for 8 Gas Turbines (Siemens 94.2) controlled by SIEMENS (TXP/SPPA T2000), 8 cmi HRSGs, Maintenance activates for two Steam turbines (Siemens SSTX- 4000) controlled by SIEMENS SPPA T2000 (S7-400).
- Maintenance activities for De-mineralized water plant controlled by S7-300 PLC.
- Maintenance activities for chlorination production plant controlled by S7-300 PLC.
- Air Handling and Ventilation System controlled by S7-300 PLC.
- Administration coordinator for spare parts.
- Coordinator for letters to ministry and to materials supplier.
- Deliver training courses for the engineers in training center.

Dates : From Aug. 2011 till May 2016
Employer : Ministry of Electricity and Water (MEW), Kuwait
Project : ALMEER TECHNICAL SERVICE COMPANY
Job title : Sr. Lead Instrumentation and Control Engineer
Job Description :

- Maintenance activates for 8 Gas Turbines (Siemens 94.2) controlled by SIEMENS (TXP/SPPA T2000), 8 cmi HRSGs, Maintenance activates for two Steam turbines (Siemens SSTX- 4000) controlled by SIEMENS SPPA T2000 (S7-400).
- Maintenance activities for De-mineralized water plant controlled by S7-300 PLC.
- Maintenance activities for chlorination production plant controlled by S7-300 PLC.
- Air Handling and Ventilation System controlled by S7-300 PLC.
- Administration coordinator for spare parts.
- Coordinator for letters to ministry and to materials supplier.
- Deliver training courses for the engineers in training center.

Dates : From Nov. 2009 till Jul. 2011
Employer : Arabian Bemco Contracting Co. LTD, KSA
Projects : Quraya and Qassim Extension Power Plants
Job title : Start-up & Commissioning Engineer
Job Description : Responsible for I&C start-up of 4 GE gas turbines frame 7 EA controlled by Mark VI Control System.

Dates : From May 2007 till Oct. 2009
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat III Combined Cycle Power Plant (750MW)
Job title : I&C Construction, Commissioning & Start-up Manager

Job Description : For 750MW Combined Cycle Power Plant (2x250MW) General Electric Gas Turbines frame 9FA Mark VI control system, 2 Heat Recovery Steam Generators, DCS control system and one 250MW Alstom steam turbine generator with ALSPA P 320 DCS control system:

- Review all P&D and make any modification needed.
- Follow up the construction activities and check with consultant the schedule achieved.
- Attend all construction daily, weekly, and monthly meetings and discuss any deflection.
- Contact with contractors and subcontractors if any items requested.
- Attend the contractors coordination meeting and solve any problems depend on UEEPC by coordinate with director who deliver to the chairman if required.
- Ensure on site quality control measures are in place.
- Start-up and commissioning organization management.
- Team Lead for material control inlet/exit to/from the site.

Dates : From Sep. 2006 till Apr. 2007
Employer : Upper Egypt Electricity Production Company (UEEPC)
Project : El-Kureimat II Combined Cycle Power Plant (750MW)
Job title : Start-up Manager
Job Description : For 2x250 Siemens gas turbines and their accessories, 2 Heat Recovery Steam Generators (CMI) with Emerson DCS Ovation control System and one Hitachi Steam Turbine with Mark VI Control System.

Dates : From Jan. 2006 till Aug. 2006
Employer : Scimitar Egypt Production Company (Oil Company)
Job title : Steam Generators Operation E&I Maintenance Engineer

Dates : From Aug. 2001 till Jan. 2006
Employer : Egyptian Operation and Maintenance Co. (O&M)
Project : El-Kureimat Thermal Power Plant (2x627MW):
 Each unit consists of B&W Circulation Boiler, GE Turbine Generator Mark V Control System, Westinghouse WDPF DCS Control, Lurgi Bamag Water Treatment System and other auxiliary systems.
Job title : I&C Engineer

Dates : From Jun. 1995 till Jul. 2001
Employer : Egyptian Electricity Authority
Project : El-Kureimat Power Plant
Job Description :

- As Instrument & Control Engineer (from Jun. 1995 till Mar. 1999):
 - Read the contracts carefully to be able to follow the constructions as indicated in the contracts.
 - Perform loop check and function test of soot blower system.
 - Perform loop check and function test of gas and oil burners.
 - Loop check and function test of auxiliary boiler.
 - Start-up By-pass system.
 - Sampling system loop check and function test.
 - Change set points and make simulations for DCS system.

- Adjust Boiler CCTVs.
- Follow constructions and installations of water treatment system.
- Review the vendor recommended spare parts list to add or remove some items depends on experience and our weather in Egypt.
- Follow the constructions with contractors and write reports for the constructed items.
- Records punch lists and any comments to the manager.
- Follow the calibrations for the different instruments and sign up on the excellent instruments and in the other hand refuse any unsuitable.
- Follow loop checking /continuity tests and commissioning of the systems.
- As Desk Operator & Assistant Shift Supervisor Engineer (from Apr. 1999 till Jul. 2001):
 - Start-up and commissioning all equipment after PM.
 - Make operation procedure for the different equipment refers to their manuals.
 - Follow P&ID in local to know the status of equipments' erection exactly.
 - Synchronize the units with grid.
 - Make training for technicians to learn the ideal operation.
 - Prepare training course for new engineers and technicians.

- Dates** : From Oct. 1987 till May 1995
- Employer** : National Egyptian Railways Authority
- Job Description** : Responsible for the Design (if needed) & Maintenance of Instrumentation/Control Systems in the Electronic Center for the following functions:
- Repair the electronic equipments and cards by follow its circuits and sometimes simulation of it by another circuit made by the vendor.
 - Choose spare parts lists, which we normally use or defects happen in it.
 - Make modifications for some circuits, especially which haven't spare parts.
 - Design CNC machines software programs.
 - Identify the problems and troubleshooting by using computer for PLC M/Cs.
 - Traveling to some places to maintain M/Cs as cranes, lathes, ATC (Automatic Train Control) system, etc.
 - Start-up some systems that weren't operated yet.
- Field of experience** :
- Experience in the field of instrumentation & control related to the field of procurement, installation, construction supervision, calibration, maintenance, pre-commissioning, commissioning and start-up in the power stations gained on international projects.
 - Construction supervision and equipment testing experience gained on international projects.
 - Good planner, prepare and execute start-up and commissioning activities for turbine controls such as Steam, Gas turbine, boiler and HRSG control application.
 - Perform loop check and function test of many systems.
 - Experience in Soot Blower System.

- Experience in Auxiliary Boiler.
- Experience in By-pass System.
- Boiler, fuel gas and oil experience.
- Chlorination System start-up and commissioning.
- Sampling System and dosing pumps experience.
- Experience in projects management and coordination.
- Knowledge of BMS (Building Management System).
- Schedule preparing and follow up.
- Good relationships with all working staff and related departments/contractors.
- Handling importance tasks and schedule.
- Experience in diagnostic check, troubleshooting and maintenance of instrumentation and control in Power plants. Through understanding of Control Loops, Field instruments and Control Actuator, Calibration and Maintenance. Knowledge and working experience on different control systems such as GE Mark VI control system, Siemens DCS Telperm-XP/T200, Siemens PLC SIAMTIC-S5 / S7, Fire Fighting and detection Systems, and gas detection system (Zellweger/Honeywell).
- Good knowledge of the international codes and standards (ASME, IEEE, ISA, NEC and IEC).
- Management of an Instrument and Control Maintenance group.
- Materials management of Instrumentation and control products.
- Skilled in communicating with people of differing levels of authority and cultural backgrounds.
- Implement manufactures EHS procedures within area of responsibility.
- Identify and perform any control and instrumentation issues on the power plant.
- Prepare annual maintenance plans and Supervise instruments maintenance programs. Recommend instruments modification if needed. Ensure smooth supply of spare parts.
- Prepare maintenance budget and maintain/improve budget.
- Perform administrative functions such as writing technical reports, ordering materials, preparing job status reports, reports to customers, time and expense sheets on a complete and timely basis
- Having hands-on experience in routine, breakdown, preventive maintenance and shut down activities in power plants.
- Perform calibration records in the plant.
- Plan/execute DCS, control, and devices predictive maintenance.
- Limitations to meet plant's annual objectives and standards.
- Perform proper training of plant personnel to upgrade their professional and maintain the equipped level of quality standards to achieve the operational equipments.
- Coordinate with Operation department on all corrective maintenance.
- Manage maintenance department and apply the preventive maintenance program on all instruments and equipments to minimize problems and shutdown scheduling to ensure timely and appropriate solutions are adopts.
- Delivered Courses:
 - Theory of measuring instruments.
 - Theory of control systems.
 - Gas flow measurement.
 - Process control fundamentals.

- Introduction to PLC system.
- PLC Programming.
- PLC troubleshooting and solutions.
- How to choose the control system.
- DCS control system.