

Holds a B. Sc. in Electrical Electronics & Communication Engineering and has over 35 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

## **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 Aug. 2020 till now
- Employer** : Upper Egypt Electricity Production Co. (UEEPC)
- Job title** : I&C Manager for combined cycle power plant
- Job Description** :
- Prepare maintenance programs for all instruments in the plant.
  - Coordinate with other departments for the interface issues and follow the repair work.
  - Prepare the maintenance reports.
  - Analyze the repeated faults and try to solve.
  - Prepare and arrange the required spare parts list.
  - Follow up all I&C maintenance activities.
  - Prepare data base for all instruments and troubleshooting to be follow.
  - Be sure all persons obey safety rules.
  - Prepare headlines of training courses for engineers and technicians.
  - Follow up the quality rules are taking place.
  - Any other work requested by sector head.
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- Dates** : From Jan. 2018 till Jul. 2020
- Employer** : Alghanim International Company – EPC Branch
- Project** : Sabiya Power Station
- Job title** : Senior I&C Commissioning Engineer
- Job Description** :
- Prepare pre-commissioning procedure for different systems.
  - Perform walk-down for submitted systems with construction and QC and register bunch list.
  - Review and submit ITPL to the owner (MEW) for review and their comments.
  - Perform pre-commissioning tests of the systems.
  - Follow up cold loop check and perform hot loop Check.
  - Check all signals and interface signals between PLCs and DCS.
  - Perform systems and DCS function test.
  - Invite the owner to witness the function test.
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- Dates** : From Jun. 2016 till Dec. 2017
- Employer** : Ministry of Electricity and Water (MEW), Kuwait
- Project** : Alghanim International Company – O&M Branch
- 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.
- Supervise and repair the electronic equipment.
- Read the contract general specs if there's any deflection by the contractor.
- Prepare maintenance budget and maintain/improve budget.

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

- Responsible for maintenance of 4 gas turbines and 1 steam turbine.
- Maintenance of BOP.
- Review the tender I&C part and modify some specs required.
- Preparing RFMs, review and follow up with planning department.
- Review the quotations and sort which is suitable technically.
- Prepare annual maintenance and predictive maintenance schedule.

**Dates** : From Apr. 2010 till Aug. 2011  
**Employer** : Upper Egypt Electricity Production Company (UEEPC)  
**Job title** : Plants Affairs General Manager  
**Job Description** :

- Responsible for all plants belong to the company, reporting all data and documentations like production and all costs, finally the cost of KW and its sale amount.
- All maintenance programs planning with dispatch.
- Submit all information and reports to Holding company and other ministries linked with the ministry of electricity.

**Dates** : From Nov. 2009 till Mar. 2010  
**Employer** : Arabian Bemco Contracting Co. LTD, KSA  
**Project** : Qassim Extension Power Plant  
**Job title** : Start-up & Commissioning Engineer  
**Job Description** : Responsible for start-up and commissioning 4 GE gas turbines 7EA controlled by MKVIe 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 titles** :

- Plants Affairs General Manager (Jul. 2009 – Oct. 2009)
- I&C Construction – Commissioning / Start-up Manager (May 2007 – Jun. 2009)

**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 contractor's 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 & 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** : Control Room Operator / Assistant Shift Engineer  
**Job Description** :

- Prepare and start all systems and equipment of the plant and synchronize the units.
- Isolate and write down craft tags for outage systems or equipment for maintenance or protect the equipment from failure.
- Follow the alarms and take suitable action with any emergency alarm.
- Record some readings for the temperatures, pressure, vibration, speed, etc. for the main equipments and write down my comments for any abnormal readings.
- Execute main Turbine daily and weekly tests.
- Record troubleshooting work requests with comments on the computer that is connected by LAN to maintenance departments to take an action using EMPAC software program.
- Check the transmitters operation to record any defects to I&C department.
- Make weekly change over for the 100% equipments.
- Make periodic equipment tests (daily, weekly, ...etc.).

**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. 1997):
- Read the contracts carefully to be able to follow the constructions as indicated in the contracts.
  - 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. 1997 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.
- Experience in projects management and coordination.
  - Experience in street lighting design, construction and commissioning.
  - Prepare and review the tender for I&C and modify any specs required.
  - 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 equipment.
- Coordinate with Operation department on all corrective maintenance.
- Manage maintenance department and apply the preventive maintenance program on all instruments and equipment to minimize problems and shutdown scheduling to ensure timely and appropriate solutions on adopts.
- 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/T2000, Siemens PLC SIAMTIC-S5 / S7, Fire Fighting and detection Systems, and gas detection system (Zellweger/Honeywell).
- Construction supervision and equipment testing experience gained on international projects.
- Good knowledge of the international codes and standards (ASME, IEEE, ISA, NEC and IEC).
- Experience in Tenders Preparing and specs.
- Good planner, prepare and execute start-up and commissioning activities for turbine controls such as Steam, Gas turbine, boiler and HRSG control application.
- 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.
- Experience for preparing RFMs and Quotations.
- 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.
- Experience in 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.
- Introduction to DCS control system.