

100879-ELE-CE-E-1994
Senior Electro-Mechanical Engineer

Holds a B. Sc. in Electrical Power Engineering and a Diploma in Engineering Project Management. Has about 18 years hands-on experience in Electrical Power, Light current, Communication & data, Control and Mechanical HVAC, Fire fighting, Plumbing, BMS.

PERSONAL DATA

Nationality : Egyptian

EDUCATION

- : B. Sc. in Electrical Power Engineering, Helwan University, 1994
- : Diploma in Engineering Project Management, American University Cairo (AUC), 2007

LANGUAGES

Arabic : Native Language
English : Fluent

COMPUTER SKILLS

- : Windows, MS Office, Internet
- : Primavera
- : AutoCAD 2009

TRAINING COURSES AND CERTIFICATIONS

- : Training course at BABCOCK LENTJES (Mar./Apr. 1994).
- : Training course at Cairo South Training Institute (Jun. 1996).
- : Training course at EEA - Network Training Center (Sep./Oct. 1996).
- : Training course at SWEDPOWER (Aug. 1997).
- : Two training courses at Cairo South Training Institute (Feb. 1998).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2007 till now
Employer : SHAKER CONSULTANCY GROUP
Projects :

- Sodic - Alegria Complex Compound, Electro-mechanical Infrastructure (Zaied City), from 2009 till now
- Renovation of Shoura Building (Tahrier – Cairo), from 2008 till 2009
- The Grand Museum of Egypt Building (Remaya – Haram), from 2007 till 2008

Job title : Senior Resident Construction Supervision Electrical Engineer
Job Description : My scope of work has been included but not limited to the following:

- Review of Material Submittals provided by contractor.
- Review of Shop Drawings Submittals provided by contractor.
- Review of the Time schedule of project execution provided by contractor.
- Attend all factories tests for all Electrical Equipments as per contractor notifications.
- Review of Inspection Requests for sequential on-site activities of installation and testing / commissioning (M.I.R.).
- Review of Inspection Requests for sequential on-site activities of installation and testing / commissioning (I.R.).
- Techo-commercial review of the payment invoices provided by contractor.
- Prepare project's final report including Snag List, Punch List Items.
- Prepare projects claim reports for arbitration purpose whenever requested.

Dates : From 2006 till 2007

Employer : Hitachi Display Ltd.

Project : New Japan Embassy, located at Maadi – Cairo

Job title : Senior Electrical Engineer

Job Description :

- Responsibility and charge of installation of the following systems:
 - Substation and M.V. Switchgear.
 - Lighting/power systems and relative panel boards.
 - Addressable Fire Alarm, Sound System.
 - Emergency Diesel Generator units.
 - Security, Access control and CCTV system.
 - Earthing for both Power and Light Current system.
- My scope of works has been included providing accurate Quantities take off for both measurable and lump sum activities of electrical systems, providing optimum Value Engineering of material technical submittal and drawings submittal very sticking to the received technical specification, bill of quantities and contractual drawings.
- Provide optimum Electro-mechanical co-ordination construction supervision, subcontractors supervision control and quality control statements, procedures and regulation. Reviewing subcontractors payments invoices and maintaining directive variation orders, claims and disputes solutions.
- Provide Professional contract administration and circulative correspondences as per fidic regulations.
- Finalize all testing and commissioning procedures for all electrical power and low current systems.

Dates : From 2004 till 2006

Employer : Nortel Networks

Project : ATM Synchronization Transfer Mode

Job title : Electro-Mechanical Quality Control Manager

Job Description : • My responsibility has been included but not limited to preparing and approving of the Master Quality Control / Quality Assurance program, method statements and check list items for the following systems:

- Power System.
- Feeder routing systems of trays and trunks..
- Racks and cubicles.
- Monitor and Control System DCIS.

• Partially task is to update the on site field progress of work and to provide to the subcontractor Raya Services and Mobiserve Companies with technical guidance for proper and qualified job completions.

Dates : From 2000 till 2004

Employer : CCC – Debbas Enterprise Ltd.

Project : GPP – Golden Pyramid Plaza / The Commercial Center

Job title : Senior Electrical Quality Control Engineer

Job Description : • Prime task is to release the Material Inspection Requests to management fully satisfaction.

• My activity includes proceeding all the construction tasks for the following systems as well as the related Inspections Requests to Shaker Consultant Group:

- Power, Feeder routing systems.
- Lighting system.
- Addressable Fire Alarm System.
- Public Address system.
- Access control / CCTV system.
- Earthing for both Power and Light Current system.
- BMS.

• Partially task is to update the field progress of work and to provide to the main contractor Consolidated contractor company and to review the Monthly Payment Report considering all field changes and variation conditions.

Dates : From 1999 till 2000

Employer : SIEMENS – TARRADCO
(an International cooperation for projects and contracts)

Project : CRCC – Cairo Regional Control Center Project:
This project is continuously running between Egyptian Electricity Authority “EEA” as a Client and “SIEMENS – TARRADCO” as a Contractor with a consultancy of Gilbert Commonwealth, Inc.
The project aimed to make interface between a new control center called “CRCC” and all the existing sites located at Cairo zone of totally 143 plants (3 generation power stations and 140 substations).
CRCC function is to monitor, status inputs, data acquisition, and supervisory remote control to Cairo zone plants using RTU’s and SCADA system.

Job title : Electrical Power Engineer
at the technical office specifically at the Planning / Materials division

Job Description : • Responsible of monitoring the day to day activities and evaluate the progress of the project as per the preliminary time schedule for project progress.

- Prime of my responsibilities is following up to Correspondences, inquires, requests and comments of EEA as per contract regulations.
- In addition I am one of the crew responsible of preparing the monthly report representing the project overall bill of material and stock level.

Dates : From 1998 till 1999
Employer : Krüger – Egyptian Arab Contracting
Project : Kafr El-Zayat Sewage Treatment Plant 2300 L/S
Job Description : My duties has included monitoring the day to day activities of the start-up organization, proceeding the static and dynamic tests, commissioning of the plant overall, executing the performance analysis test, reliability tests, following up to the opened warranties and punch list items with the client "NOPWASD".

Dates : From 1994 till 1998
Employer : Bechtel Overseas – Ministry of Electricity and Energy, Egyptian Electricity Authority, Cairo Electricity Company
Project : Cairo South Generation Power Station
 (Combined Cycle project of total generation 180MW)
 This project consists of gas turbine manufactured by "GE" frame 9, Mark IV, 120MW loads through a heat recovery steam generation system into a steam turbine manufactured by "GE", Mark V, 60MW, "DCIS" control system, with all accessories of pumps, compressors, water treatment plant.

Job title : Electrical Power Engineer for Maintenance
Job Description :

- My activity included sharing the installation of the electrical equipment, bus bars, connections, post insulators, bushing for equipment's, two generators 11.5KV, exciters calibrations, two step up transformers 220/11KV, two 220KV GIS circuit breakers, six auxiliary transformers 11.5/6.3KV, six distribution transformers 6.3/0.4KV, 6.3KV switchgear, 400V switchyard, disconnectors and earthing switches, voltage and current transformers, protective relays, medium and low voltage motors, fire prevention system.
- Providing engineering support, continually reviewing and improving of technical submittals and documented drawings according to the international standards, filling in guarantee schedules as per vendor recommendations, proceeding the static and dynamic tests of the electrical equipment to the plant overall, operating of site components, executing the start-up procedures, commissioning to the plant overall, sharing the reliability tests, performance analysis, monitoring and controlling the units during loading, shut down, studding of the trip conditions, analyzing of the hysterical report, then troubleshooting and restart the system, investigation and following up major occurrences as directed.

Field of experience : Electrical:
 ➤ Power, Light current, Communication & data, Control.
Mechanical:
 ➤ HVAC, Fire fighting, Plumbing, BMS.