

Holds a B. Sc. in Electrical Machines & Control Engineering and has PMP certificate. Has about 13 years hands-on experience working as Projects Manager, Deputy Engineering Manager, Senior Project Engineer & Electrical and Instrument Specialist in several large projects.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 24/03/1982
Gender : Male
Marital Status : Married
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Electrical Machines & Control Engineering, Cairo University, 2004

LANGUAGES

Arabic : Native Language
English : Fluent
German : Fair

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: MS Project
: MS Visio
: AutoCAD 2D
: ETAP (Electrical network design)

TRAINING COURSES AND CERTIFICATIONS

: Course in Project Management Professional (PMP), Project Management Institute.
: ETAP, Egypt Syndicate of Engineering.
: OSHA, Air Liquide Egypt.
: Technical career ladder (TCL), Sr. Electrical Expert Middle East.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Aug. 2014 till now

Employer : Air Liquide Egypt

Job titles :

- Projects Manager (Large Industrial Project department)
- Deputy Engineering Manager and Middle East Electrical Expert TCL

Job Description :

- Establish project plan baseline: define project scope, secure the necessary resources & plans & monitor all activities.
- Drive project execution: track project activities, monitor & handle changes, conflicts & escalations.
- Handle customer & stakeholder engagement: manage customer relationship building confidence & trust, ensure project progress arranging meetings & customer events.
- Manage project finance: ensure financial system monitoring.
- Develop the business: participate to contract preparation & to pre-sales meeting.
- Participate in Company Safety Programs ensuring compliance with approved Safety regulations/ programs. Ensure proper implementation of all HSE requirements by contractors in the execution of fabrication, construction, and installation activities.
- Participate in the preparation and review of commissioning procedures by contactors/ consultants/vendors, and establish acceptability through liaison with Site Operations for assigned projects.
- Participate in the development of project contracting strategies, contractor selection and evaluation of contractor/ consultant bids. Participate in the assessment and evaluation of the performance of contractors and consultants following the completion of services. Upon completion of assigned projects prepares close-out reports, lessons learned and recommendations for Management review.
- Responsible for coordination all engineering activities. Responsible for interfaces on applicable company's requirements ensuring coordination between Disciplines for Engineering, Construction and Procurement.
- Prepared Procurement management plan & stakeholder management plan & Execution plan & Budget and Schedule.

Dates : From May 2008 till Jul. 2014

Employer : Air Liquide Egypt
Air Liquide present in more than 80 countries with more than 50,000 employees. Working in the field of ASU (air separation unit) to produce the medical and industrial gases and liquid such as Oxygen – Nitrogen – Argon – Helium – Carbon Oxidation, Acetylene, Hydrogen, etc. with all applicable codes of oil and gas industries.

Job titles :

- EPC Senior Project Engineer
- Electrical and Instrument Specialist (Large Industrial Project department)
- Deputy Engineering Manager
- Middle East Electrical Expert TCL

Job Description :

- Projects:
 - Responsible for the complete technical coordination between the different suppliers in the package projects to ensure the optimal design, hand over to the customer starting from the design stage to the final testing, commissioning and start-up on site.

- Handle all the project documentations and give technical support to services engineers during the project implementation.
- Keep up to date with development with respect to relevant process owners.
- Preparing and participating in all the commercial issues of the project including piping – instrument – ASU air separation unit – pumps – compressors – valves – tanks – vaporizer and electric equipment).
- Preparing and participating in all piping working related to the project (isometric and general arrangement) as the piping inter skid and interconnection piping between skids.
- Preparing and participating in all mechanical working related to the project (cooling tower system & compressor & cryogenic pumps & vaporizer and tanks).
- Preparing project budget & schedule and manage cost control sheet.
- Issue monthly report for project budget and project progress
- Making presentation in the front of top management and customer for project achievements and goals.
- Prepared project risk management and estimated the critical path and using alternative and risk register.
- Monitor and control all project phases from initial till closing and handover.
- Manage all required utilities and tie in points.
- Engineering:
 - Responsible for making design for electric SLD and electric specs for MV SWG & power transformer & Distributed transformer & LV SWG & UPS & DC charger & SCADA and DCS system.
 - Preparing and participating for making the power study and short circuit study and relay coordination study and motor acceleration study by using ETAP software.
 - Preparing and participating for earthing network design (clean and dirty & power cable sizing & tray and trenches design).
 - Responsible for the electrical commissioning on the site and the SWG protection relay programming and all the interconnection interlocks between the electrical equipments to keep high electrical protection limit.
 - Responsible and participating for the electrical equipment installation on site.
 - Responsible for applying the electrical tests on electrical equipments before electrical energize to keep high reliability for electrical system.
 - Responsible for making technical comparison for all electric suppliers and choose the best one.
 - Responsible for making the required support in the site and provide the site with all required data and information.
 - Participating in making the plant site layout.
 - Responsible for making the required instrument connection from Junction box to the marshalling panel and then to DCS and make BOQ for all required instrument equipments and cables.
 - Responsible for preparing specification of instrument devices (transmitters, gauges and flow meters).
 - Making the on site instrument calibration (transmitters, gauges,

- flow, temperature).
- Preparing and participating in all the technical issues of the project including piping – instrument – ASU air separation unit – pumps – compressors – valves – tanks – vaporizer and electric equipment.
- Preparing and participating in all the mechanical technical working related to the project (cooling tower system & compressor & cryogenic pumps & vaporizer and tanks).
- Preparing the control logic system and the control loops on P&ID.
- Preparing and participating in all types of industrial gas P&ID & Hazop and risk studies.
- Design validation for Middle East zone for electrical design part.
- Manage and support for the electrical part for all AL plants inside Egypt.
- Participating in different electrical equipments maintenance (Switchgear transformers - UPS - etc.).
- Responsible for preparing project technical solution and present in the front of customer and management with indicated the commercial benefits.
- Prepare and review the contractors Bill of quantities.
- Review and validate contractor shop drawing.
- List of the biggest projects (as PM & PE):
 - Egyptian Steel Beni Suef SIGMA H145 (air separation unit produce Gas Oxygen with flow 4150NM3/Hr and capacity 145 ton/day) including Backup system LOX, LIN, LKAR.
 - Egyptian Steel Sokhna SIGMA H145 (air separation unit produce Gas Oxygen with flow 4150NM3/Hr and capacity 145 ton/day) including Backup system LOX, LIN, LKAR.
 - ALX EZDK SIGMA ASU IV (air separation unit produce Gas Oxygen with flow 9000NM3/hr and capacity 330 ton/day).
 - ALX EZDK SIGMA ASU IV (Backup system of Liquid oxygen and liquid argon).
 - SILPA 140 ASU (ASU to produce liquid oxygen and liquid nitrogen with capacity 140 ton/day).
 - TCI SIGMA (air separation unit produce Gas Oxygen and Gas Nitrogen with capacity 190 ton/day).
 - TCI SIGMA (Backup system of Liquid oxygen and liquid Nitrogen).
 - ESR SIGMA EZZ SADAT (air separation unit produce Gas Oxygen with capacity 110 ton/day).
 - Saint Gobain (air separation unit produce Gas Nitrogen and Gas Hydrogen).
 - ALKIG (CO2 plant in Saudi Arabia and Lebanon).
 - Design Authority for electrical part of H2 plant in Saudi Arabia.
 - Egyptian steel SIGMA H190 (Soukhna and Beni Suef).
 - Qurrayah Aramco.
 - Design Authority for Electrical part of CO2 plant in Saudi Arabia.
 - Design Authority for Electrical part of CO2 plant in Lebanon.
 - ELAB APSA T5 Project (ASU to produce Nitrogen Gas with capacity of 600Nm3/hr with backup LIN system).

Dates : From Jan. 2006 till May 2008
Employer : Schneider Electric Egypt

- Job titles** : Senior Technical Project Manager (Regional Consultation Center (RCC)),
Technical Project Manager
- Job Description** :
- Automation:
 - Study and review technical specifications for supervisory control systems and prepare the technical and commercial offer.
 - Design and implement communicating supervisory systems (Data acquisition, event logging, remote monitoring and control) using Modbus protocol and "SMS" System Manager Software and Vijeco Citect software.
 - Supervise and technically support system integrators during the offer and order stages of a project. Selecting the most suitable architecture and protocol for the control and supervisory system according to the projects' demands and restrictions.
 - Fully aware of Schneider Automation systems and products.
 - Programming of the PLC systems for the medium size projects, with different PLCs types.
 - Projects:
 - Review technical offers and quotations submitted by Schneider's external suppliers for electrical equipment ordered (e.g. power transformers, UPS, battery chargers and batteries, etc.) and then check for compliance with the client's specifications.
 - Prepare the technical and commercial offers for all external supplies (power transformers, UPS, battery chargers and batteries, Bus-duct).
 - Fully aware for PLC & Automation systems, cables selection and cables trays routing, bus duct selection and routing, distribution transformers definition and selection..., any other technicalities requested for package projects.
 - Technical support:
 - Provide technical support to all departments, to ensure the optimum project designs and the customer satisfaction.
 - Recommend optimal means to reduce equipment and productivity cost. Study and design contracts requiring high technical knowledge to produce documents (drawings, PO, calculation notes, studies and manuals) needed for the customer as well as the manufacturing cycle.
 - Provide standard solutions (System architectures, PLC programs, External supplies technical quotation) to be used by the company for future contracts completion.
 - Participate to technical negotiations with the client at offer/order stages, giving technical assistants to PM to reach optimum technical and commercial offer.
 - Design and maintenance all types of synchronization panel (more than one generator-utility with generators) whether was MV or LV.
 - Conduct technical trainings/seminars internal to enrich our staff technical competence and external for our customers in the relative project activities or for business development.
 - Service & repair and support for MV/LV equipment of Schneider Electric.
 - Prepare the relay coordination study and short circuit study.

- List of the biggest projects:
 - WNPOC Petroleum Company located in Sudan (12 shelters + MV + LV + transformers + DC system).
 - IRAQ (200 Electric Kiosks + MV + LV + Transformers) Baghdad.
 - Nubaria Power Generation Stations (MVSWG – LVSWG – PLC – Scada).
 - Cairo West Power Generation Stations (MVSWG – LVSWG – PLC – Scada – Transformers and cables).
 - Sudan Power Generation (MVSWG – LVSWG – PLC – Scada – Transformers and cables).
 - American University Cairo (MVSWG – LVSWG – PLC – Scada + Diesel Generator).
 - El Zafrana Electric Power Generation by Wind Energy (MVSWG – LVSWG – Kiosk).
 - Dohaa Airport (MVSWG – LVSWG).
 - Ethiopia Electric Authority (MV - 770 transformers).

Dates : From Oct. 2004 till Jan. 2006

Employer : Al Mohandees International Co. (AMI)

Job title : Design Engineer / Technical Support

Job Description :

- Commissioning & start-up of the new automated system (Diesel Generators and low voltage distribution panel).
- Design & programming synchronization panel.
- Supervise the electrical installation for all type of Diesel generators in the field (including power & communication cables).
- Design & programming and wiring diagram of the Gen xfer which allow the change between two suppliers (used for Automatic Transfer Switch panel and make the connection between the panel and engine).
- Responsible for the wiring diagrams of the PGC (between the engine & the Control Panels) & the wiring diagrams of the MCC panels.
- Helping in solving the customer's problems including start-up Diesel generators & make synchronization between two diesel generators or more.
- Design of Power factor panel & synchronization panel and ATS panel & manual control panel (MCB) which is mounted on Diesel engine and Automatic main Failure panel (which include the MCB & ATS) using AutoCAD 2002.
- Design one out of two panels & two out of three panels and make the control in the bus coupler to achieve the requirement.
- Design all type of Motors Control Circuit and pumps and protection relay.

Achievements:

- Technical:
 - Invoicing 0.3 Million EGP was deducted from my company for 2 years.
 - Saving 0.4 Million EGP by modifying the Electrical network design.
 - Manage 2 Engineers and 4 Technicians.
 - Upgrade Medium voltage Motor coupled with compressor 7MW at 6.6KV working philosophy and make early invoicing with 0.55 Million EGP with early production and high work efficiency.
 - Saving 0.42 Million EGP yearly with pay back period 1.2 years.

- Saving 0.38 Million EGP through many projects by making relay coordination study, commissioning and start-up of Medium & Low voltage switchgear and Transformers instead of 3rd party.
- Applying yearly plan maintenance (corrective and preventive) program for Electrical & instrument and mechanical equipment.
- Commissioning and start-up of different equipments with applied Rules (Motors, Compressors, Pumps, Transformers, Switchgear, etc.).
- Evaluate technical and commercial bid documents of consultants and contractors.
- Trainer and Hazop Leader.
- Project Management:
 - Update Gantt Chart for early production with updated risk register and mitigate the risk (0.3 Million EGP early invoicing).
 - Customer forced us to make production 6 months early. Updated PM plan by using some of customer resources (early production achieved +0.35 Million EGP profit and -0.1 Million to mitigate some risks).
 - Conducted Hazop study for customer pipe lines and convince him to proceed with my company where we are expert in this industry and we will be very care for your process and equipments.
 - Preparing and participating for all contracts types with suppliers and contractors.
 - Review & validate and evaluate contractors tender process.
 - Planning & monitor and control all project phases from initial till closing and handover.
 - Keep Zero Accident and applied all safety rules and regulations.