

Holds a B. Sc. in Electrical Engineering and has about 19 years hands-on experience in Oil & Gas, PETROCHMICAL, and both on-shore and off-shore projects, Process Industries and Power Plant in various disciplines like Construction, Engineering, Project Tendering, and Pre-Commissioning of Electrical and Instrumentation field. Leadership of a large team of electrical engineers and Engineering, Experience in Review, studies execute conceptual design, FEED design and EPC contracts and send comments to Bidder and detailed engineering of medium to large scale projects. Responsible for capital project execution, from Construction, pre-commissioning to commissioning.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 06/01/1969
Gender : Male
Marital Status : Married
Residence : Currently KSA

EDUCATION

: B. Sc. in Electrical Engineering, Menoufia University, 1995

LANGUAGES

Arabic : Native Language
English : Excellent

COMPUTER SKILLS

: Windows, MS Office (Word, Excel, Power Point), Internet
: AutoCAD

TRAINING COURSES AND CERTIFICATIONS

: Maintenance of L.V. Motors and Generators (summer training through 1994 at Salt & Soda Co.).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From 2012 till now
Employer : Penspen for - Khafji Joint Operation (KJO) - Al Khafji - Saudi Arabia
(KJO is an upstream development between Saudi Aramco and Kuwait Gulf Oil Company, and this particular my job related to design, engineering, construction and commissioning on-shore project & off-shore platform topsides, alongside experience working with Saudi Aramco design

standards. The overall projects value is approximately 14-15 billion US dollars.)

Project : Upgrading Hout Onshore Facilities
Job title : Senior Electrical Engineer
Job Description :

- Working as Project Management Consultancy (PMC) teams.
- Working alongside the owner's engineers, providing a high level of technical expertise to oversee the project design.
- Monitoring the Electrical Contractor's work throughout the duration of the assignment.
- Resolving technical issues with respect to Power generation, distribution and installation design.
- At site, high-level policing of the installation to ensure compliance with project requirements and home office design.
- Review the design of various HV/LV substations, Switchgear, Wiring Specification and Diagrams associated with offshore and subsea installations.
- Review and comment/approve Protection Relays Coordination Studies.
- Review and approval of FEED & EPC Contractor deliverables for conceptual, FEED and detail design projects.
- Approval of EPC/FEED Contractor SOW, system studies, specifications, data sheets, drawings & schedules, installation work packs, technical bids and commissioning procedures.
- Strong experience of LV & HV Switchgear and power system design for upstream on-shore and off-shore O&G installations.
- Specification of modifications to existing LV & HV Electrical switchgear systems for new processing equipment packages and associated control & protection systems.

Dates : From 2010 till 2012
Employer : Engineering for Petroleum and Process Industries (ENPPI)
Project : Gupco Rehabilitation Off-shore Project - GATHRING RAMADAN-6, Ras Shoquir – Egypt
Job title : E & I Lead Engineer
Job Description :

- Review of single line diagram, layouts, schedules, specification, etc.
- Technical evaluation of the documentation prepared by third parties related to the activities.
- Support to the construction yard for what concerns engineering during installation and pre-com.
- Electrical network studies (execution and/or verification).
- Supervisor of all electrical and instrument related to both on-shore and off-shore site activities.
- Follow up of daily, weekly and monthly progress.
- Provide necessary technical information and support for procurement of all electrical equipment and electrical items related to packages in compliance with tender specifications/data sheets.
- Adhere to cost/budgeted man-hour and project schedules.
- Review contract requirements for project execution.
- Coordinate with projects/planning on project time schedules.

- Develop manpower charts and schedules.
- Direct the preparation of technical inquiry requests.
- Ensure vendor equipment specifications meet with client equipment specifications and are within budgeted costs.
- Determine methods and solutions for engineering problems and select the most efficient and economical manner in meeting the objectives.

Dates : From 2006 till 2010

Employer : Consolidated Contractors Company WLL (CCC) – KSA

Projects :

- Al-Khafji Field Development Project (KFDP) Phase I On-shore Oil and Gas Processing Facilities
- Independent Water Steam and Power Project (IWSP)

Job title : Electrical Project Engineer / Electrical Section Engineer

Job Description :

- Working alongside the owner's engineers, providing a high level of technical expertise to oversee the project design.
- Monitoring the Electrical Contractor's work throughout the duration of the assignment.
- Resolving technical issues with respect to Power generation, distribution and installation design.
- At site, high-level policing of the installation to ensure compliance with project requirements and home office design.
- Review the design of various HV/LV substations, Switchgear, Wiring Specification and Diagrams associated with offshore and subsea installations.
- Review and comment/approve Protection Relays Coordination Studies.
- Review and approval of FEED & EPC Contractor deliverables for conceptual, FEED and detail design projects.
- Approval of EPC/FEED Contractor SOW, system studies, specifications, data sheets, drawings & schedules, installation work packs, technical bids and commissioning procedures.
- Strong experience of LV & HV Switchgear and power system design for upstream on-shore and off-shore O&G installations.
- Specification of modifications to existing LV & HV Electrical switchgear systems for new processing equipment packages and associated control & protection systems.

Dates : From 2004 till 2006

Employer : Carlo Gavazzi Egypt (CGE), LTD

Projects :

- El Gamil Plant – Power Generation and Production Project Increase Oil and Gas Processing Facilities
- Burulls Oil and Gas Company, Scarab Saffron Development Project
- Lube Oil Expansion Project El-Max, Alexandria

Job title : Senior Electrical Engineer / Electrical Site Engineer

Job Description : Lead the construction team of electrical, design team / construction in developing all electrical power generation, distribution, protection and related control systems for projects:

- Electrical network studies (execution and/or verification).
- Review contract drawings, specifications and other procurement materials that have been prepared by others and provide comments on the results of the reviews.

- Regularly interfaces with other engineering disciplines as well as other departments.
- Review supplier drawing submittals and performs technical analyses.
- Installation all substation, control room Panels and switchgear.
- Internal cable laying and connection.
- Electrical Terminal Wiring and Interconnection diagrams.
- Cable Schedule (Instrumentation, communication, fire alarm, etc.).
- Electrical Installation details, including substation, power, lighting, cabling, wiring.
- Fire & Gas system and DCS installation.
- Review and comment/approve vendor drawings and deliverables from EPC contractors.
- Single Line diagrams.
- Specifications, requisitions and data sheets for main electrical equipment services.
- Electrical installation construction specifications.
- Specifications and requisition for telephone, intercommunication, and fire alarm systems.

Dates : From 2003 till 2004
Employer : Siemens AG Power Generation
Projects :

- EI-Kureimat Power Station
- Talkha Power Station

Job title : Senior Electrical Engineer
Job Description :

- MV & LV Cables connection.
- Continuity & Meggering Test for MV & LV Cables.
- Power Control Center (PCC) internal power & control cables connection.
- Start-up Transformers and Excitation Transformers.
- MV Switchgear, LV switchgear and control cubicles for fuel gas system and control cubicles for combustion turbine.
- Cable ladders, cable ducts & conduit installation.
- Responsible for handing over all works for the client.

Dates : From 1999 till 2003
Employer : Bonatti Libya Branch
Project : Agip Gas BV Libyan Branch (Mellitah Oil and Gas Plant)
Job title : Electrical Site Engineer
Job Description : Lead the construction team of electrical, design team / construction in developing all electrical power generation, distribution, protection and related control systems for projects:

- Supporting site engineer with required Drawings.
- Review, study specification & drawings and send clarification /queries to clients.
- Material take off (M.T.O) for electrical and instrument activities.
- Follow up of monthly progress.
- Issued of material request and follow up material received to Subcontractors.
- Cathodic protection system installation.
- Instrument Schedules, Instrument/Signal Loop Diagrams.

- Instrument Hook-Up Drawings & Cable Termination Diagrams.
- DCS installation.
- Tubing.
- HVAC Sys. cables and control panels.
- Fire & Gas, telecommunication systems.
- CCTV and paging systems.

Dates : From 1998 till 1999
Employer : Archirodon Construction (Overseas) Co. S.A.
Project : Egyptian LNG Project, Marine Facilities Work on/offshore work
Job title : Electrical Site Engineer
Job Description :

- Supporting site engineer with required drawings.
- Review, study specification & drawings and send clarification/queries to clients.
- Prepare subcontracts packages & attend pre-tender meetings and site visits.
- Prepare construction schedule & analyzes the prices of materials & subcontractors and negotiate with suppliers and subcontractors.
- Review estimate, costs with proposal coordinator and tendering manager and to provide support to Senior Estimators.
- Comparative study between materials supplier and subcontractor's companies.
- Cathodic protection system installation under water for Jetty piling.
- Instrument Loop check.
- Paging system.
- HVAC System.
- Fire & gas system.
- Instrument Schedules, Instrument/Signal Loop Diagrams.
- Instrument Hook-Up Drawings & Cable Termination Diagrams.
- DCS installation.

Dates : From 1997 till 1998
Employer : Samsung Engineering Co., Ltd
Project : 200,000mt Polyethylene Project
Job title : Electrical Site Engineer
Job Description :

- Substation Panels, TRF's and switchgear installation.
- H.V., L.V. & control cables lying, connection and testing (Meggering and continuity).
- Conduit pipe, cable tray and LTG. System installation.
- Ground sys. & lightning protection installation.
- Communication sys. (Paging, Tele, CCTV & Radio) installation.
- Fire and Gas Sys. Fire alarm installation.
- Heat tracing system installation and cable laying, connection and testing.

Dates : From 1995 till 1997
Employer : Electro Tharwat (E.T.), Cegelec (C.E.G.) Joint Venture Contractor
Project : Sidi Krir Power Plant 2x320MW

- Job title** : Electrical Site Engineer
- Job Description** : Participate with the construction team of electrical, design team / construction in developing all electrical power generation, distribution, protection and related control systems for projects:
- Main TRF's 21/220KV, start-up TRF's 220/3.6KV & Unit Aux. TRF's Installation.
 - Vacuum filling oil TRF's.
 - Achieving (G.I.S.) installation.
 - Panels, 125V DC batteries installation & charging.
 - Verifying M.V., L.V. cables Meggering & continuity tests.
 - Earthling, Lightning system installation.
 - Main control building, pump house, desalinations and water treatment equipment installation.
 - Cable laying, connection and pre-commissioning.
- Field of experience** :
- Lead Electrical Engineer with proven extensive experience (19 years) in Oil & Gas, PETROCHEMICAL, and both on-shore and off-shore projects, Process Industries and Power Plant in various disciplines like Construction, Engineering, Project Tendering, and Pre-Commissioning of Electrical and Instrumentation field. Leadership of a large team of electrical engineers and Engineering, Experience in Review, studies execute conceptual design, FEED design and EPC contracts and send comments to Bidder and detailed engineering of medium to large scale projects. Responsible for capital project execution, from Construction, pre-commissioning to commissioning, including:
 - Develop Single line protection, control and metering diagrams for switchgear, 13.8KV switchgear, 4.16KV Motor control, 480V switchgear/MCC with automatic bus transfer scheme.
 - Review the detail design packages including detailed AC and DC schematic, Wiring diagrams, Equipment layout, Cable and Panel Schedules, Interconnections, Power, Grounding and lighting layout.
 - Reviewed and issued Power System Load Flow, Short Circuit studies, Protection Coordination. Used voltage drop, equipment sizing, lighting Calculations and cable sizing.
 - Extensive knowledge of international standards and their applicability.
 - Interface with the Project Management team and Projects proponent.
 - Expertise in power transformers, power & control cables, current & voltage transformers.
 - Extensive experience with construction aspects for power plants, substations, cogeneration, and package plants etc.
 - Experience in Power distribution systems, lighting systems, power studies and project troubleshooting.
 - Knowledge and application of standards like Aramco Standard, ANSI, IEEE, NEC, NEMA, API, IEC as well as area classification techniques.
 - Experience of installation, pre-commissioning and commissioning of generators, transformers, transmission.
 - During design phase:
 - Study and Review for Design criteria, drawing standards and conventions, and design guidelines.

- Study and Review for engineering and design data and drawings.
- Study and Review for existing design data, drawings, and specifications.
- Study and Review all drawings, standards, specifications, Engineering Estimates, and Bills of Quantity.
- Inspect and audit the progress and performance of the Electrical Design Contractors.
- Attend Periodic and Design Review Meetings.
- Provide input into the pre-qualification and selection of suppliers of materials and equipment.
- During construction phase:
 - Procurement support and expediting support for materials and equipment.
 - Review, study Un-Priced Purchase order of materials, send comments to Bidder and Contractors.
 - Quality Management support during construction.
 - Review and comment/approve Protection Relays Coordination Studies.
 - Ensure the COMPANY and Government regulations are followed.
 - Attend periodic meetings with the Construction Contractors as required.
 - Review and comment/approve Protection Relays Coordination Studies.
 - Review and comment/approve vendor drawings and deliverables from EPC contractors.
 - Review and comment/approve Electrical Terminal Wiring and Interconnection diagrams.
 - Review and comment/approve SLD, layout drawing.
 - Supervision of Installation all substation, control room Panels and switchgear.
 - Supervision of installation and tested of TRF's 13.8/4.16KV, TRF's 13.8/.48KV.
 - Supervision of Installation Paging system, Fire & gas system, Instrument & F.O cables and DCS installation.
 - HI pot test for HV cables, H.V & L.V cables Meggering & continuity tests.
 - Supervision of Installation all electrical system such as cable laying and termination, cable tray installation, lighting, Earthing, Cathodic protection and heat tracing.
 - Ensure the COMPANY and Government regulations are followed.
 - Assistance and support to COMPANY in commissioning.
 - Participate in the development and implementation of operation and maintenance procedures.
 - Review and check the as-built drawings.
- Essential functions:
 - Lead the construction of electrical design / construction team, in developing all electrical power generation, distribution, protection and related control systems for projects.
 - Preparation and review of power/control philosophies and drawings.
 - Preparation and review of electrical generation, distribution, rotating, communication and control equipment specifications and datasheets.
 - Preparation and review of electrical system calculations.

- Preparation and review of construction drawings depicting equipment locations, wiring, tray layouts, supports, Earthing and lighting.
- Preparation and review project/client specifications and requirements; provide alternatives and recommendations as required.
- Preparation and review of layouts and plans for electrical buildings and facilities.
- Preparation and review of AC and DC load lists from mechanical equipment lists and control systems.