

Holds a B. Sc. in Electrical Engineering and has over 23 years in the field of Electrical Construction, Pre-Commissioning, Commissioning and System handover and follow up activities related to Oil & Gas, Refiner, Petrochemical and Power Plant Installation.

PERSONAL DATA

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

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 Nov. 2017 till now
Employer : RINA, FOR Eni S.P.A & PERTROBEL
Project : ZOHR ONSHORE DEVELOPMENT PROJECT (ENI S.P.A, PERTROBEL), PORT SAID, EGYPT
Job title : E&I Superintendent
Job Description :

- Leading and managing complete instrumentation and electrical construction works and teams.
- Review of all the engineering drawings (PID, Loop Drawing, Logic diagram, schedule, layouts etc.) and identify any Modification as required as site condition, Discuss and solve any technical Query and

- Final Review of marked-up / as-built drawing and handover to the client.
- Responsible for cost effective and scheduled completion of activities.
- Prepare technical specifications for purchase of instrument construction materials, consumables and equipment.
- Estimation of materials, resources and tools required for the execution of the project.
- Develop budgets, estimating labor, material, and construction costs.
- Issue of site instrument installation progress reports (daily, weekly and monthly).
- Leading the calibration activities of all type of instrumentation transmitters, Control/ON-OFF valves and Pressure relive/safety valves.
- Leading the Preparation of loop folder for each instrument including instrument installation record, calibration record, tubing pressure test, loop pre-commissioning check list, instrument drawing and final inspection and loop test form.
- Supervise the Instrumentation, and Fire and Gas detection system (FGS) loop checking activities.
- Prepare instrumentation installation and testing procedure with reference to project specs and standard.
- Ensure Quality inspection of all the activity at the site as per the specs and standard of the project.
- Responsible for ensuring all aspects of the project comply with statutory HSE requirement and corporate HSE policies and procedures.
- Understand the Project standards and ensure the design meets the requirements.

Dates	:	From Aug. 2014 till Oct. 2017
Employer	:	JV of Toyo Engineering and Enppi
Project	:	Production Ethylene and Derivatives Onshore Project, EL AMERIYA - ALEX, EGYPT
Job title	:	E&I Lead Engineer
Job Description	:	<ul style="list-style-type: none"> • Supervising and inspection of electrical construction associated with the Client's project. • Power transformers, high voltage circuit breakers, protective relay panels, electrical buildings, battery banks, UPS systems, switchgears, MCC's, plant lighting, grounding, conduit, cable tray, power and control cables and terminations and electric motors. • Prepare punch list for deficiencies for E&I activities. • Participate in technical meetings with Client and other parties as required. • Prepare documentation, reports and schedules required to support construction, commissioning and turnover activities for the project. • Review vendor drawings received for various pieces of major equipment and prepare comments. • Prepare project status updates for project management and project development, including relevant conditions and activities that may impact the development, completion or performance of project and facilities. • Work closely with design engineers to ensure effective performance.

Dates : From Jun. 2012 till Aug. 2014

Employer : Dar al Hadassah / 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 : KJO Oil & Gas Plant in Ras Al Khafji, Saudi Arabia: Upgrading Hout Crude Project

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.
- Lead Electrical PMT on construction/Commissioning and start-up of new developed sour Crude Oil & Gas plant.
- Performed Construction Supervision, Continuity, Megger, Hi Pot test for cables, Functional testing of LV & HV SWGR, MCC's, LCS, DCS.
- Review and comment/approve Protection Relays Coordination Studies
- Monitoring the Electrical Contractor's work throughout the duration of the assignment.
- Review the design of various HV/LV substations, Switchgear, Wiring Specification and Diagrams associated with offshore and subsea installations.
- Lead Electrical PMT on construction Field equipment, SWGR, Transformers, MCC's, UPS and Batteries, Detail design based on Saudi Aramco and International Standards, HAZOP, and SIL Study.
- Dealt with vendors Experian SWGR, MCC's, UPS, Batteries, Lighting...etc.
- H.V Circuit Breaker and H.V Cables Hi-Pot Test "leakage current".
- Transformer test, Winding resistance, Megger, Turns Ratio.
- Motor Solo Run after Megger, Winding resistance and functional Test.
- Resolving technical issues with respect to Power generation, distribution and installation design.
- 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.
- Review and approval of specification of modifications to existing LV & HV Electrical switchgear systems for new processing equipment packages and associated control & protection systems.

Dates : From Jul. 2010 till May 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** :
 - Lead the construction of electrical & instruments /construction team, in developing all electrical power generation, distribution, protection and related control systems for project.
 - Determine methods and solutions for engineering problems and select the most efficient and economical manner in meeting the objectives.
 - Dealing all letters from and to consultant, following up time schedule, daily and monthly site progress.
 - Review of single line diagram, layout s, schedules, specification...etc.
 - 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.
 - Ensure strict compliance with Company's ISO Quality procedures.
 - Verifying M.V, L.V cables Meggering & continuity tests.
 - Earthling, Lightning system installation.
 - Main control building, Substation equipment's installation.
 - Cable laying, connection and pre-commissioning.
- Dates** : From Apr. 2008 till May 2010
- Employer** : Consolidated Contractors Company WLL (CCC) – KSA
- Project** : Al-Khafji Field Development Project (KFDP) Phase I On-shore Oil and Gas Processing Facilities
- Job title** : E&I Project Engineer
- Job Description** :
 - Working as Project Management Teams (PMT) at KJO.
 - Khafji Joint Operations (KJO) is Armco Gulf Operations consortium; Kuwait Gulf Oil Company and the Project is the development of onshore facilities for receiving the crude from the enhanced onshore platforms and process the input for further proceeds.
 - Instrument Schedules, Instrument/Signal Loop Diagrams.
 - Instrument Hook-Up Drawings & Cable Termination Diagrams.
 - Control Schematics.
 - HVAC System control panel and cables.
 - Fire & Gas, telecommunication system.
 - Protection Relays Coordination Studies.
 - Review and comment/approve vendor drawings and deliverables from EPC contractors.
 - Review and comment wiring Diagrams & Instrument Hook-Up Drawings.
 - Cathodic protection layout, wiring drawings, specifications and requisition.
 - Hazardous Area Classification drawings.
 - Power Cable Trench Layouts including Trench Sections.

- Power Panels, including High Voltage.
- Cable Tray and Conduit Installation.
- Lighting plans (including receptacles and Ltg. plant switch Rack).
- Grounding and Lightening Protection panels.
- Installation all substation, control room Panels and switchgear.
- Internal cable laying and connection.
- Electrical Terminal Wiring and Interconnection diagrams.
- Cable Schedule (Power, Control and fire alarm, etc.).
- Electrical Installation details, including substation, power, lighting, cabling, wiring and grounding.
- Continuity and Meggering test LV, MV Cables.
- GIS Installation, assembly, internal cable laying and connection.

Dates : From Apr. 2006 till Mar. 2008

Employer : Consolidated Contractors Company WLL (CCC) – KSA

Project : Independent Water Steam and Power Project (IWSPP) Saudi Aramco, Petro Rabigh

Job title : Electrical Section Engineer

Job Description :

- Supporting site engineer with required Drawings.
- Review, study specification & drawings and send clarification / queries to clients.
- Dealing all letters from and to consultant.
- Following up time schedule, daily and monthly site progress.
- Reviewing materials with spec. and approval drawings.
- Follow up all materials suppliers and issued to site.
- Material take off (M.T.O) for electrical and instrument activities.
- Reviewing the Field materials Requested (FMR) with approval drawings.
- Supervise for Fiber Optical, Instrument, Control & Power cables lying and termination.
- Continuity and Meggering test LV, MV & HV cables.
- Communication, Cathodic protection, Heat tracing systems installation.
- Installation all substation, control room Panels and switchgear.
- GIS Installation, assembly, internal cable laying and connection.
- Following up time schedule.
- Support for Site Engineers.
- Follow up daily and monthly site progress.
- Dealing all letters from and to consultant.
- Follow up all materials suppliers.
- Reviewing materials with spec. and approval drawings.
- Reviewing materials stocks and stores.
- Follow up all E&I activities in site.

Dates : From Feb. 2004 till Mar. 2006

Employer : Snamprogetti Gas Ltd and Bonatti Libya Branch for Agip Gas BV Libyan Branch

Project : Agip Gas BV Libyan Branch (Mellitah Complex Oil and Gas)

Job title : Senior Electrical Engineer

Job Description :

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

Dates : From Dec. 2002 till Jan. 2004
Employer : Bechtel Egypt and Archirodon LTD Egypt for Egyptian LNG Company
Project : Egyptian LNG Project, Marine Facilities Work On/offshore work
Job title : E&I Site Engineer
Job Description :

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

Dates : From Oct. 2000 till Nov. 2002
Employer : Bechtel Egypt and Carlo Gavazzi Egypt (CGE) LTD for Burulls Oil and Gas Company
Project : Burullus Oil and Gas Company. Scarab Saffron Development Project
Job title : E&I Site Engineer
Job Description :

- Instrument Schedules, Instrument/Signal Loop Diagrams.
- Instrument Hook-Up Drawings & Cable Termination Diagrams and DCS installation.
- Control Schematics.
- Fire & Gas system and HVAC system.
- Panels, 125V DC batteries installation & charging.
- 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 and grounding.
- 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.
- Review and comment/approve vendor drawings and deliverables from EPC contractors.
- Continuity and Meggering test LV, MV Cables.
- Hazardous Area Classification drawings.
- Power Cable Trench Layouts including Trench Sections.
- Power Panels, including High Voltage.
- Electrical Equipment Layouts for Substations and Control Rooms.

Dates : From Aug. 1998 till Sep. 2000
Employer : Samsung Engineering Co. Ltd
Project : Sidi Krir Petrochemicals Co. (SIDPEC) 200,000mt Polyethylene Project
Job title : Electrical Site Engineer
Job Description :

- Substation Panels, TRF's, and switch gear installation.
- H.V, L.V & control cables lying, connection and testing (Meggring 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.
- TRF's. Panels and cable trays installation.
- M.V, Power and Control Cables, Lying, connection, testing and commissioning.
- No Load & Loading test for L.V, M.V and D.C Motor.

Dates : From Aug. 1995 till Jul. 1998
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 :

- 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.
- Lightning, Earthing, Lightening systems installation.
- Main control building, pump house, desalinations and water treatment equipment installation.
- Cable laying, connection and pre-commissioning.
- Fire and Gas Sys. Fire alarm installation.

Field of experience :

- Over 23 years in the field of Electrical Construction, Pre-Commissioning, Commissioning and System handover and follow up activities related to Oil & Gas, Refiner, Petrochemical and Power Plant Installation.

- Implement all electrical activities related to Onshore and Offshore Projects in accordance with project requirements within the assigned budget, time schedule and quality standards.
- Knowledge of detailed engineering of electrical systems.
- Checking all Cable sizing, Short Circuit Calculation and Lighting Calculation to verify recommended illumination level.
- Protections and rely coordination studies reviewing and comments.
- Review of single line diagram, layouts, cable schedules, load list ...etc.
- Familiarity with international codes, NEC, IEEE and Armco standards in electrical engineering.
- Identify technical queries, deviation and alternatives to be submitted.
- Adhere to project specifications, drawings, data and construction instructions for all Electrical Works.
- Provide technical assistance to E&I Superintendent and other project position for specialist aspects.
- Keep the site quality control records coordinator informed on matters relating to quality control.
- Check and review on weekly basis the electrical physical progress.
- Monitor and prepare the mark-up for construction drawing required developing the as-built drawings.
- Establish with the site personnel, practices on testing and turnover of the various systems and assist in securing the necessary client acceptance documentation for record.
- Implement the Pre-Commissioning checks as required and maintain check out records.
- File and monitor test data and resolve any problems with the installations team & subcontractor(s).
- Inspect and monitor electrical operations for quality assurance and complete the final check out equipment and wiring circuits prior to turnover to client (Main Contractor).
- Assist the site project scheduler in verifying and updating the installation detailed schedules.
- Have good knowledge about awareness and implementation of the Quality Management System Requirements.
- Have good knowledge about awareness and implementation of the Environmental Management System Requirements and the applicable Environmental Law, Regulation, Codes standards and other requirements.
- Analyze and understand Tender documentation.
- Implement bidding methodologies, design criteria's and guidelines.