

Lotfy Emad Elshayeb

Electrical Engineer

SCE - Saudi Council of Engineers - Membership ID:929197



Riyadh, Kingdom of Saudi Arabia

Egyptian, Married

Saudi Driving License

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OBJECTIVE

I am a Senior Electrical Engineer with expertise in Contracting and Business Development specifically in the fields of:

- Infrastructure, Procurement, Construction
- Designing, Shop-drawing, Quantity surveying
- Installation, Testing and Commissioning
- Renewable Energies
- QA, QC
- Tender, Estimation and Bidding
- Oil and Gas Service

for Commercial and Industrial Projects based in Saudi Arabia. Looking for a career with challenging opportunity in an organization to challenge myself to take creative projects and contribute to planning, analysis and execution in a developing working environment where my skills are best utilized, with loving to learn all new technologies in Electrical Sciences especially in the new renewable energy's resources.

CAREER EXPERIENCE

- **ZIMAM ELQWA**

MECCA, Saudi Arabia

JAN 2024 – Present

Projects:

- **Design & Implementation of MEP Systems for Company Office Relocation**

Client:(ZIMAM).

Design and Execution of the New Company Office – Mecca, KSA

Led the complete electrical design and execution of the company's new head office, including fit-out works. Responsibilities included:

- Designing and implementing the power and lighting systems for all office areas.
- Installing door access control systems and IP CCTV surveillance.
- Configuring the telephone and data network infrastructure.
- Supplying and wiring VRF air conditioning units and their control systems.
- Coordinating the execution of all electrical finishes in compliance with company standards.
- Supervising installation, testing, and commissioning to ensure readiness for operation.

- **Electrical Works for the Enhancement of the Outer Courtyard – Kiswa Exhibition,**

Participated in the improvement and upgrade of the external courtyard surrounding the Kiswa Exhibition.

Responsibilities included:

- Executing external lighting works, including decorative and landscape lighting.
- Installing underground power distribution for outdoor equipment.
- Implementing electrical connections for surveillance CCTV cameras and security systems.
- Coordinating trenching, cabling, and termination works in accordance with site conditions.
- Ensuring compliance with high aesthetic and safety standards due to the project's religious.
- Preparing documentation for inspection, testing, and project handover.

• **ADWAA ALKHALIL DEVELOPMENT AND CONTRACTING**

Senior Electrical Engineer

Business Development, Tender, Shop drawings, Quantity surveyor, BOQ, Marketing, Application Engineering, Procurement, Construction, Planning, Technical Support, Electrical Design

Actively involved in the Business Development Stage of the company projects

ADWAA ALKHALIL is SECO Verified Contractor in Unified contract at the Energy and Power Sector.

Responsibilities included the following:

- **Business Development Executive**
Prepared Company Profiles, Product Materials Catalogue, Marketing Strategies and Planning.
- **Technical and site Engineer**
Responsible for all Electrical systems Procurement, installation, testing, commissioning and handing over
- **Application Engineer**
Registration of the company for proposals and companies for Mega Projects, Clients, and other stakeholders with valid certifications and technical pre-qualifications
- **Tender and Bidding**
Fully involved with the Technical Proposals for new projects of Electrical Contracting Works with enhancing and developing the technical scope of work and requirements considering the given technical aspects and information
- **Technical reports**
Responsible for support of preparing required documents for the projects and support for the clients
- **Electrical Design and Shop drawings**
Responsible for developing and executing Electrical Drawings, Single Line Diagrams and other drawings as per requirements, for submitting technical proposals for new projects

Projects:

Initial technical assessment and analysis of the project proposal requests to enhance and develop:

- EPC - Engineering, Procurement, Construction
- Project Planning and Schedule
- Technical Material Data Sheets (PQ, MAR)
- Technical Equipment Data Sheets
- Single Line Diagrams
- Backup Power Supply Plans
- Project Quality Plan
- Method of Statement (MOS), Inspection Testing and Commissioning Plan (ITP)
- Project Handover and Closeout Plan
- Stock and Inventory of Equipment and Materials

for the following projects:

- **Electrical Testing, Commissioning, and Maintenance for Al-KHALIDYAH Court Building – Madinah, KSA**
Served as Testing, Commissioning, and Maintenance Engineer for the court building's electrical systems. Responsibilities included:

- Performing testing and commissioning for power, lighting, and low-current systems (CCTV, Fire Alarm, Data, Access Control, BMS).
 - Conducting complete BMS system tests, including controller verification, sensor calibration, and IP addressing/configuration for network integration.
 - Ensuring compliance with project specifications, Ministry of Justice requirements, and SEC standards.
 - Collaborating with subcontractors and consultants to close punch list items and achieve project handover.
 - Executing post-installation diagnostics, repairs, and system tuning to meet operational standards.
 - Preparing detailed technical reports and final handover documentation.
- **Multi Stores parking (3 buildings) at King Khalid University (Abha, KSA)**
Implemented the Building Power and Lighting Network, Cables trays, Cables Ladders and Low current systems (KNX-DALI, BMS, Access Control, Public Address, Fire Alarm, CCTV, and Data system), Installation of required Transformers, Generators and UPS.
- **Development of the Emergency Department at Asir Hospital in ABHA city (KSA)**
Upgraded the Emergency Department's electrical systems with new power and lighting, as well as new BHU and low-current systems (Data, IP telephone, CCTV, Fire Alarm, Nurse Call and Access Control with following The Ministry of Health Specifications. Ensured seamless integration with the main Control room of the Hospital.
- **Infrastructure of SEDRA Riyadh Township for 2000 Villas** **Client:(ROSHN Real-Estate).**
 - Installation of 15kV cables, making trenches, pulling and laying cables in trenches, termination of cables, splicing, and jointing
 - Installation of 13.8/0.4-0.230 KV Unit Substations including Non extensible SF6 insulated RMU, 17.5KV as per SEC standards.
 - Installation of low voltage, Aluminum conductor cables, making trenches, splicing and termination as per latest SEC standards.
 - Installation and/or construction of Manholes, Hand holes, and MINIMANHOLE.
 - Installation, testing, and commissioning of street lighting poles and panels as per municipality (AMANAH) Standard.
 - Installation of telecom HDPE ducts and sub-ducts to be used for customer.
 - Installation of Fiber optic cables, Outdoor Enclosure Cabinet, and IP□CCTV outdoor fixed / PTZ/ License plate recognition (LPR) cameras with connections as per MOI standards.
 - Install a complete fiber distribution terminal (FDT) / cabinet with the given size including splice trays, organizers, etc.
 - Supervision of test and commission for all low current systems works also Terminate, test, maintenance and commission for all Electrical works.
 - Handing over all completed works With All Required Documents.
 - Design and review of tender drawings, shop drawings and as built drawings of all the electrical systems and subsystems for the project.
 - Worked with designing, site work and inspection of Medium Voltage, Low Voltage and Low Current systems such as, Telecommunications, CCTV, Fiber optic cables, Lighting Distribution, and Power Distribution System MV (13.8 KV) & LV (400V)
 - Executed the work on site as per the shop drawings of all the systems from first fix up to final fix finishing by coordinating with the Electrical supervisor, foreman and the Electricians workforce by coordinating and reporting with the Project Manager.
 - Advised cost effective and economical solutions without comprising technical efficiency as part of value engineering for the project which were approved by the Project Manager and Company Management
 - Suggested effective solutions and advises to the Client and Consultant for their approval to rectify

the technical issues faced at site while construction work was on progress and later anything after installation also.

- Submitted requests for material and work inspections to consultant for approval to start the work without any technical issues.
- Made sure all the materials brought to site are as per consultant and client approvals
- Inspected work of all the systems simultaneously to make sure all the work being executed on site areas as per shop drawings and as per consultant approvals
- Planned each day's work with the electrical workforce in order to not delay any work at the site.
- Requested and made comparisons of quotations from multiple suppliers and subcontractors to proceed with the purchase of materials for first fix, second fix and final fix and coordinated it the procurement department for purchase.
- Coordinated work execution and plan with the subcontractors for the work under their scope for earliest completion and handover.
- Resolved the subcontractors and suppliers technical and management issues by self and also by coordinating with Company management, Project Manager, Consultant, Client etc. whenever required.
- Arranged and coordinated for the delivery of all materials from logistics partners of all the systems inside seaport by coordinating with procurement and logistics department
- Carried out Testing and Commissioning of all the systems coordinating with the client and respective supplier or sub-contractor if any.
- Carried out final documentations and as built drawings to consultant and client for final handover process
- Arranged supervisors, foreman, electricians and labors after checking their qualifications, technical knowledge and experience to site for work and whenever progressive work was required based on completion of work progress
- Managed Electrical supervisors, foremen's and electricians for efficient work on time and correct delivery
- Executed works, modifications and installation of systems of projects after handover based on client requirements as part of maintenance contracts

Projects:

- **Automatic Tank Gauging (ATG) project with Solar Energy implemented in 4500 fuel service stations** **Client (Ministry of Petroleum and Gas)**
Main consultant (ENPPI, Petro jet) company and all oil and gas companies as a consultant.
 - Make design drawings and shop drawings for electrical systems such as ATG (Automatic Tank Gauge) system, Fire Alarm System, CCTV System, including Installation, configuration and integration for Oil and Gas Monitoring systems (Tanks, Pumps, Dispensers, price signs) at All petrol and gas stations with using feeding sources from the renewable energies by solar cells.
 - surveying the establishment of petrol and gas stations, following up the work team and coordination With Subcontractors with making the necessary invoices and the daily progress reports. Built sites survey, include preparing technical drawings with following all Required materials delivery to ensure the required work is completed on time.
 - Following up with the Emergency Maintenances, Deliverables and Troubleshoot with All Reports, included, integration, implementation, modification of the installation, testing, operation, troubleshooting, and maintenance of hardware and software systems at all stations.
 - **Sales Engineer:** Advertisement and marketing For Wayne (USA) pumps, accessories and supplies for petrol and gas stations as our Company is the authorized agent in the Middle East

- **Infrastructure for 300 Villas at New Mansoura city.** **Dar Misr project**
 - Includes installing (LV, Lighting, CCTV, Telecommunications Cables) Unit Substations (RMU, Transformers & Mini pillars) With All Testing and Commissioning with finishing all required Documents with the Consultant
 - Enforced safe working practices among team members
 - Monitored works performance and made improvements on the Electrical systems designs
 - Met with customers, engineers and other stakeholders to discuss potential engineering projects and products
 - Kept and updated records on all electrical design changes
 - Compiled data and wrote reports about existing and potential electrical engineering projects and studies
 - Continually improved methods and procedures for processes, measurement, documenting and work flow techniques.

EDUCATIONAL QUALIFICATION

- **Mansoura University, Egypt**
Bachelor's Degree of **power and Machines Electrical Engineering**
- Graduation project:
Renewable Energies And smart home with sample of Wind Turbine.

September 2012 - July 2017

Trainings During study

- **Power generating and distributing at Talka power plant.**
- **Benha Factory for Modern Electronics industry.**
- **Construction of Electrical systems in the city of furniture in Damietta city**

Skills

- Design and shop-drawings LV, MV, Lighting Systems and Low current system.
- AutoCAD knowledge
- DIALUX EVO
- REVIT (MEP)
- ETAP & ECODIAL
- Loads Calculations
- Team Management
- Renewable energies resources
- Cost estimation
- PQD, MARS and WIRS
- Building Management Systems (BMS)
- KNX installation
- Fire Protection
- Electrical Engineering Teamwork
- Technical support
- Automation
- Resolve electrical issues
- Follow the Specifications of projects
- Power system studies
- Bill of Quantity
- Deals with subcontractors
- Subcontracting management
- Risk mitigation
- Quality inspections
- Instrument testing
- Compliance monitoring
- Method of Statement (MOS)
- Inspections test plan (ITP)

LANGUAGES KNOWN

- Arabic
- English
- French

- I hereby declare that entire above given information is true and correct to the best of my knowledge and belief.

Thanks for your time and interest.

(Lotfy Elshayeb)