



Badawi Abd eltawwab Badawi Elsayed

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PROFILE SUMMARY

- Expertise in designing review, executing, commissioning & supervising LV&MV and low current electrical systems
- Skillful using lean construction principles and PMI tools and techniques to develop project baselines; monitoring & controlling projects to reduce cost, resource deployment, time overruns in the delivery of project
- Assuring executed work as per conformance with approved drawings, specifications and code to achieve highest quality for ensuring satisfactory execution of projects
- Preparing progress updates and reports to key stakeholders
- Ensuring work according to environment, health and safety policies with company's HSE policies & regulations
- Excellent communication & interpersonal skills, team building, problem solving and organizational skills
- Prepare to PMP exam then plan to study lean six sigma and MBA

CORE COMPETENCIES

Electrical Site installation
 Site Supervision & Instruction
 Design Review, Shop Drawing
 Site Material Inspection
 Testing & Commissioning
 Documentation & Reporting
 Quality, Time & Budgetary Control
 Team Leadership & Development
 Preventive & Corrective Maintenance
 Site / Material Management

MAJOR AUTHORITIES & CLIENT APPROVALS

- Zaket, tax and customs authority(ZATCA)
- Ministry of Defense Saudi Naval Forces (Saudia Arabia)
- Ministry of Defense Saudi Land Forces (Saudia Arabia)
- Ministry of Defense Saudi Air Forces (Saudia Arabia)
- Ministry of Finance Customs Administration (Saudi Arabia)
- Saudi Electricity Company (Saudi Arabia)
- El Sewedy Cable Production Company (Egypt)

ORGANISATIONAL EXPERIENCE

Since SEP'22 UNTIL NOW Naif abd elkarim Elrakhees comany (N. Elrakes), Saudi Arabia as Maintenance manager

Major Projects:

Title: Maintenance and operation of electrical networks at land ports KHAFJI City)

- **Owner:** Zaket, tax and customs authority(ZATCA)

Projects Value: SAR 36 Million

Key Result Areas:

- Steering workflow by supervising the installations of electrical systems
- **Studying:**
 - Shop drawing, calculations, manufacture sheets, samples and visit factories to test electrical equipment before delivery on site
 - Solve Any issues raised such as quantities & requirements for time extensions & change order requests
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

Highlights:

- Perform calculation Voltage drop, Cable sizing, Lighting, Earthing & Lightning calculations, Panel boards design (MDB, SMDB, Branches), Design single line diagrams, wiring details, termination details & short circuit calculation, Conduct equipment selection i.e. transformers, lighting, motors etc.... Design lighting and small power system Used
- Perform all site tests for transformers, cables, electrical panels and electrical circuit breakers.
- Performing periodic tests and maintenance for all equipment
- Submitted proposals to owner to save money and change systems to smart on

○ Since Feb'22 to Aug 23 Alanwar contraction company (ALA), Saudi Arabia as CONSTRUCTION MANGER

Major Projects:

Title: Rehabilitation of the electricity network in Khafji Port (KHAFJI City)

• **Owner:** Zaket, tax and customs authority(ZATCA)

Projects Value: SAR 7.3 Million

Key Result Areas:

- Steering workflow by supervising the installations of electrical systems
- Inspecting materials delivered on site & giving instructions to contractor and subcontractors team work to ensure quality control and compliance with contract documents
- **Studying:**
 - Shop drawing, calculations, manufacture sheets, samples and visit factories to test electrical equipment before delivery on site
 - And approving sub-contractors for electrical systems
 - Solve Any issues raised such as quantities & requirements for time extensions & change order requests
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

Highlights:

- Perform calculation Voltage drop, Cable sizing, Lighting, Earthing & Lightning calculations, Panel boards design (MDB, SMDB, Branches), Design single line diagrams, wiring details, termination details & short circuit calculation, Conduct equipment selection i.e. transformers, lighting, motors etc.... Design lighting and small power system
- Submitted proposals to owner to save money and change systems to smart one
 - Changed all lighting fixture units to LED at the same price
 - Used BIM technology to make modeling by using REVIT instead of AutoCAD
 - Liaised with contractor to update schedule plan using PREMAVERA P6
 - Made tender drawings and BOQ for new building

Since July'19 to Jan 2022 Alanwar contraction company (ALA), Saudi Arabia as Project Q C Manager

Major Projects:

Title: Construction of the Aviation Command Building at the Naval Forces Airport in Jubail Industrial City

Owner: Ministry of Defense Saudi Naval Forces

Projects Value: SAR 33 Million

Key Result Areas:

- Steering workflow by supervising the installations of electrical systems
- Inspecting materials delivered on site & giving instructions to contractor and subcontractors team work to ensure quality control and compliance with contract documents
- **Studying:**
 - Shop drawing, calculations, manufacture sheets, samples and visit factories to test electrical equipment before delivery on site
 - And approving sub-contractors for electrical systems
 - Solve Any issues raised such as quantities & requirements for time extensions & change order requests
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

Highlights:

- Submitted proposals to owner to save money and change systems to smart one
 - Changed all lighting fixture units to LED at the same price
 - Used BIM technology to make modeling by using REVIT instead of AutoCAD
 - Liaised with contractor to update schedule plan using PREMAVERA P6
 - Made tender drawings and BOQ for new building

Since May18' to July'19 Alanwar contraction company (ALA), Saudi Project Arabia as QC Manager

Major Project:

Title: W912ER-14-D 004 Facilities and Infrastructure Construction to support MH Aircraft, Jubail, Saudi Arabia.
Design and construction of 34.5kv switching station and metering building

Owner: Ministry of Defense Saudi Naval Forces

Projects Value: SAR 26 Million

Highlights:

- Perform calculation Voltage drop, Cable sizing, , Earthing & 34.5kv switching station and metering
- Perform calculation Voltage drop, Cable sizing, Lighting, Earthing & Lightning calculations, Panel boards design (MDB, SMDB, Branches), Design single line diagrams, wiring details, termination details & short circuit calculation, Conduct equipment selection i.e. transformers, lighting, motors etc.... Design lighting and small power system Used
- Perform all site tests for transformers, cables, electrical panels and electrical circuit breakers.
- Prepar Electrical shope drawing for all Electrical Systems Requested all requirements and materials to site.
- Distribute work on tecnicainengineeres and follow all work
- Coordinate between all works (civil, archcture , mechanical work) and coordinate the work with consultant and deliver work
- and installation of 24 M .V A 13.8 kV and sub-station fed from the main station of the base and feeding 31 sub-stations
- Installing 31 sub-packages 13.8 K. V,A in housing area
- Cable installation, testing and termination low voltage cable lenth for 120 k meter various size
Cable install

Dec'15 to May'18**Alanwar contraction company (ALA), Saudi Project Arabia as project Manager****Major Project:****Title:** Design and installation of cable in feeder 1 & 2 in King Abdelaziz Navel Base Jubail, Saudi Arabia**Owner:** Ministry of Defense Saudi Naval Forces**Projects Value:** SAR 42 Million**Key Result Area:**

- Supervised installations of different electrical systems and make monthly progressive report to management
- Construction ation, testing and termination medium voltage cable lenth for 48 k meter various size
- Supervising Schneider Medium Voltage Switchgear Tests
- Perform all site tests for transformers, M V& LV cables, electrical panels and electrical circuit breakers
- energized the power in the medium voltage network and transferring loads from the old network to the new network for 845 villas and an administrative building.
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

Feb'13 to Dec'15**Alanwar contraction company (ALA), Saudi Project Arabia as project Manager****Major Project:****Title:** Design and installation of the MV network in the avoition area feeder of Land forces base.El Kharg, Saudi Arabia**Owner:** Ministry of Defense Saudi land Forces**Projects Value:** SAR 18 Million**Key Result Area:**

- Supervised installations of different electrical systems and make monthly progressive report to management
- Construction and installation of 8 MV metering sub-station fed from the main station of the Saudi Electricity Company
- Installing 6 sub-packages 13.8 K. V,A in housing area
- Cable installation, testing and termination low voltage cable lenth for 3 k meter various size
- Cable installation, testing and termination medium voltage cable lenth for 12 k meter various size for Saudi Electricity company
- Supervising ABB Medium Voltage Metering gear Tests
- Perform all site tests for transformers, M V& LV cables, electrical panels and electrical circuit breakers
- energized the power in the medium voltage network and transferring loads from the old network to the new network
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

Jun 11 to Feb'13**Alanwar contraction company (ALA), Saudi Project Arabia as Electric site Engineer****Major Projects:****Title:** Construction of the infrastructure for the VIP building project King Salman Air Base in Riyadh Saudi Ar**Owner:** Ministry of Defense Saudi Air Forces**Project Value:** SAR 36 Million

Highlights:

- Steering workflow by supervising the installations of electrical systems
- Inspecting materials delivered on site & giving instructions to subcontractors team work to ensure quality control and compliance with contract documents
- installation, testing and termination low voltage cable
- installation, testing and termination medium voltage cable
- Installing 4 sub station -packages
- Making the external lighting network, preparing decorative lighting, with a length of 3 km
- **Studying:**
 - Shop drawing, calculations, manufacture sheets, samples and visit factories to test electrical equipment before delivery on site
 - And approving sub-contractors for electrical systems
 - Solve Any issues raised such as quantities & requirements for time extensions & change order requests
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

Dec'9 to Jun'11

Alanwar contraction company (ALA), Saudi Project Arabia as project's engineer

Major Project:

Title: Design and installation of MV and LV networks in King Abdelaziz Air Base Dharan , Saudi Arabia

Owner: Ministry of Defense Saudi Air Forces

Projects Value: SAR 56 Million

Key Result Area:

- Supervised installations of different electrical systems and make monthly progressive report to management
- Construction and installation of 24 M.V A 13.8 kV switch gear station fed from the main station of the base and feeding 43 sub-stations
- Installing 43 substation -packages 13.8 K. V,A in housing area
- Cable installation, testing and termination low voltage cable lenth for 85 k meter various size
- Cable installation, testing and termination medium voltage cable lenth for 52 k meter various size
- Supervising ABB Medium Voltage Switchgear Tests
- Perform all site tests for transformers, M V& LV cables, electrical panels and electrical circuit breakers
- energized the power in the medium voltage network and transferring loads from the old network to the new network for 675 villas and an administrative building.
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

Feb9 to Dec'9

Alanwar contraction company (ALA), Saudi Arabia as Electric site engineer

Major Project:

Title: Changing the medium voltage network at Customs Khafji cities, Saudi Arabia

Owner: Ministry of Finance Customs Administration (Saudi Arabia)

Projects Value: SAR 16 Million

Highlights:

- Supervising the installation and operation of medium voltage consisting of transformers and cables for administrative buildings in customs
- Installing synchronizing circuits between the electricity source from the reserve generators and the main source from the Saudi Electricity Company
- Carrying out all the necessary tests to run the project, including tests for generators, transformers, and cables
- **Reviewing** all as-built drawings, operation, instruction, guaranties and maintenance manuals with consultant for handing over the owner at the end of project

March 8 to Feb'9

Alanwar contraction company (ALA), Saudi Arabia as Electric site engineer

Major Project:

Title: Connecting the neighborhoods of Al-Quds and Al-Fayhaa in the Royal Commission by electricity Jubail , Saudi Arabia
Standard Contract Contracto

Owner: Saudi Electricity Company (Saudi Arabia)

Projects Value: SAR 9 Million

Highlights:

- Supervising the works of extending and connecting electricity to the buildings of the mentioned neighborhoods, according to the Saudi Electricity Company.
- Making reports, attending pre-work meetings, presenting the weekly schedule of work, and coordinating the work of the power shut down with the various parties
- Supporting in preparation of inspection and test plans, work method statements & so on

Feb6 to Jan'8**EI Sewedy Cable Production Company Egypt as Site Electrical Engineer/ Maintenance****Highlights:**

- Monitoring company's on-site and contractors' personnel; inspecting electrical installations to ensure compliance to all relevant standards, technical specifications and contractual obligations
- Liaising with project controls department for all commercial issues for timely invoicing the work done
- Supporting in preparation of inspection and test plans, work method statements & so on
- Raising technical queries and coordinating with client for resolving the queries
- Managing goal setting, activity scheduling and work allocation to ensure measurable goals, proper workload distribution, goal satisfaction and effective staff management
- **Followed up** the installation of:
 - Instrumentation and scada system (pressure, vacuum, temperature, flow and level transmitters, Conductivity and PH analyzers, control valves and Pneumatic Pistons)
 - Auxiliary units (Boilers, chillers, air compressors, automatic packing machine)
- **Managed** all aspects of underground work including cable pulling, installing instruments, motors, electrical panels, inverters, cable trays & lighting
- Executed commissioning before starting the factory with Chinese representatives
- Ensuring periodic & preventive maintenance are appropriately scheduled & accomplished and emergency troubleshooting & maintenance support are readily available (change PM manual system to computerized)

Key Result Area:

- Responsible for commissioning tests for all motors, panels, cables, instruments and the other auxiliary.
- Diagnose malfunctioning systems, equipment, and electrical parts, using test equipment to identify the cause of breakdown, fix the problems.
- Responsible for commissioning tests for all motors, panels, cables, instruments and the other auxiliary. Performed scheduled preventative maintenance and repairs all electrical systems

ACADEMIC DETAILS

- BE (Electrical Engineering) from Minoufia University in 2005

TRAINING CERTIFICATIONS

- **PMP** preparation Course Certificate from PM-House, Egypt in 2020
- **Revit MEP** Course Certificate from CAD Masters Training, Egypt in 2015
- **Revit Architecture** Course Certificate from CAD Masters Training, Egypt in 2015
- **Revit Navisworks** Course Certificate from CAD Masters Training, Egypt in 2015
- **Primavera p6** Course Certificate from Capitals Group, Egypt in 2019
- **CCNA** Training Course Certificate from KIT, Egypt in 2006
- **Siemens Scada S7- WinCC** Course Certificate from Intel Soft, Egypt in 2010

SOFTWARE SKILLS

- Revit MEP / AutoCAD
- Primavera p6 / MS Project
- Schneider Ecodial
- Dialux Evo, Relux
- Caterpillar Specsizer / Cummins Powersuite

Date of Birth: 15th January 1983**Languages Known:** Arabic & English**Mailing Address:** KSA- khafji