

Mohammed Abdel Aleem El-Fakharany

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Date of Birth: June -1995

Personal Summary:

Electrical Engineer with 8 years of experience in technical office and site execution across residential, commercial, high-end villas, infrastructure, and smart building projects in Saudi Arabia and Egypt. Approved by the Saudi Council of Engineers. Specialized in KNX integration, low current systems, electrical design calculations, load estimation, and low, medium voltage systems. Proficient in AutoCAD and other engineering software. Proven ability to manage electrical installations, coordinate multidisciplinary teams, and deliver high-quality projects in compliance with international standards. Passionate about enhancing project efficiency, ensuring quality, and contributing to innovative engineering solutions.

Experiences:

Saudi Geo Company – Riyadh / KSA: -

From: October 2024 - Till: Now

Working as Site and technical office Engineer.

Projects:

- Private Villa - smart villa with KNX system project (interior and fit-out).
- Diwan ALRAJHI - smart villa with KNX system project (interior and fit-out).
- Sitteen Offices Tower Commercial project (Renovation).

- * Review design drawing and Preparing Shop drawings.
- * Prepare composite, AS-Built drawing and Technical Submittals (Workshop drawings and Smart system such as KNX, etc...).
- * Prepare Electrical Calculations and load estimation (LPS, VD, SC, etc...).
- * Oversee and manage electrical work on site, ensuring the timely and accurate installation of electrical systems in line with project Specifications and client requirements.
- * Prepare detailed reports for project progress, cost tracking, and status updates for clients and upper management.
- * Coordinate with site managers and contractors to schedule electrical work, ensuring all safety standards and regulations are Adhered to.
- * Lead the Testing and commissioning of electrical systems to ensure functionality, safety, and compliance with regulatory Standards.
- * Prepare quantities survey, BOQ and purchasing orders.
- * Prepare MIR, RFI, IR, VO and Invoices.
- * Attend Progress and Technical meetings, discuss and suggest technical proposal.

Makkah / KSA: -

From: January 2024 - Till: August 2024

Working as Site technical office Engineer.

Project:

- MENA Camps Upgrade (Design and built) Project.
- * Prepare Design Drawing and shop drawing.
- * Prepare Load Estimation and All Electrical Calculations (LPS, VD, SC, etc...).
- * Prepare quantities survey and purchasing orders.
- * Prepare MIR, RFI and IR for all electrical works.
- * Review & Prepare of Technical Submittals.
- * Prepare composite and AS-Built drawing.
- * Lead the commissioning of electrical systems, conducting tests to ensure functionality, safety, and compliance with regulatory Standards.
- * Continually review the contractor's construction schedule during the progress of site works.
- * Attend Progress and Technical meetings, discuss and suggest technical proposal.

MARAKEZ Real Estate Company – Cairo / Egypt

From: September 2023 -Till: January 2024

Working as Site and technical office Engineer.

Project:

- District 5 Compound– (Commercial and Residential Project).
- * Study the project contract documents (project design drawings, Specs, BOQ, etc...).
- * Prepare shop drawing and coordinate the approval process with project consultant.
- * Coordinate with other disciplines on site to avoid any clashes.
- * Prepare MR, MIR, RFI and IR for all electrical works.
- * Oversee and manage electrical work on site, ensuring the timely and accurate installation of electrical systems in line with project Specifications and client requirements.
- * Prepare the execution plan for all electrical works.
- * Prepare invoices for subcontractors and client.
- * Prepare quantities survey, variation orders and purchasing orders.

MADKOUR Group – Cairo / Egypt

From: December 2022 - Till: August 2023

Worked as a Technical Office Engineer

Project:

- Toshka zone (S) 3-Main Lifting Station.
(Overhead transmission lines, (Pump- lift) stations and medium voltage).
- * Study the project contract documents (project design drawings, Specs, BOQ, etc...).
- * Review shop drawing for (Pump - lift) station, Overhead transmission lines routing and coordinate Their approval process with project consultant.
- * Review & Prepare of Technical Submittals (Workshop drawings and Material submittals) such as ACSR, OHTL with Accessories, NGR, etc...., with respect to the project Specification and Standards.
- * Prepare MTS for all electrical components and weekly update.
- * Prepare electrical calculations and reviewing Electrical SLD.
- * Prepare PR& PO for electrical Works on ORACLE (ERP).
- * Attend Progress and Technical meetings, discuss and suggest technical proposal.

Cairo for contracting company – Cairo / Egypt

From: October 2018 -Till: November 2022

Worked as Technical office and Design Engineer

Projects:

- Doret Elkarz Resort Phase (2) - “Medium voltage, low voltage, street lighting, landscape and telecom network “Project.
- Luxor Security Directorate - “Interior, light current, street lighting and landscape “: project.
- Kayan Sewage Lift Stations - “Medium voltage and low voltage “project.
- Military Major General Area 151 project - “Infrastructure and street lighting”. (Design and built) project.
- East Port Said Industrial Area Project – “Infrastructure, street lighting and Tel-comm Networks “project.
- Mall Doret Elkarz (Commercial project)
- * Study the project contract documents (project design drawings, BOQ, etc...).
- * Study and prepare (RFI) for missing, unclear, conflicting or any problem that will arise during project.
- * Prepare shop drawing, Design and AS -Built drawing.
- * Review and preparing all single lines diagrams for light current systems and low voltage systems.
- * Review & approval of Technical Submittals (Workshop drawings and Material submittals)
With respect to the project Specification and Standards of practice submitted by contractors.
- * Prepare quantities survey and bill of quantities.
- * Prepare MIR, RFI, IR, VO and Invoices.
- * Prepare Load Estimation and All Electrical Calculations (VD, SC, etc...).
- * Prepare composite drawing (reflected ceiling and above false ceiling) with respect to other trades.
- * Attend Progress and Technical meetings, discuss and suggest technical proposal.

Education:

Bachelor Degree in Electrical Power Engineering
Zagazig university – Egypt From: Sep. (2013) - To Jun. (2018)

Languages:

Mother Language: Arabic (Native Speaker)

Other Language: English (Very Good Speaking, Reading and Writing)

Software:

- Excellent Command of using AutoCAD.
- Good Command of using Revit.
- Very Good Command of using Etap (V.D&S.C) and Dialux.
- Excellent Command of using Microsoft Office (Word, Excel &Power Point) and MS Project.
- Good Command of using Primavera 6.

Personal and technical Skills:

- Leadership, Good team-leading skills, Ability to work with a team and Very Good communication skills.
- Project and Time Management.
- Electrical Design & Shop Drawings
- Cost Control and Time Saving.
- Construction Site Executions and management.
- Electrical Load Calculations (VD, SC, LPS...)
- Low Voltage & Medium Voltage Systems
- KNX Smart Building Systems
- Testing & Commissioning

Courses:

- MEP Bim Diploma.
- Smart building and KNX systems.
- Primavera 6 Course.
- Tendering and Cost Estimation course.
- Power System Distribution Diploma.
- Classic Control Basic Application

References:

Provided upon Requested