

Contact Details

Mohammed Shaaban Hassan

Electrical Engineer

📍 Riyadh – KSA

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Objective

Electrical Engineer with 4 years of experience in designing, implementing and supervising electrical works for various projects located in Egypt and Saudi Arabia, graduated from the faculty of Engineering at El-Minya University, in Jun 2021, seeking a challenging and rewarding position according to this experience, whereby applying and develop my skills, build a long term growing career and improve this experience in the electrical engineering field, Possessing excellent interpersonal abilities and a wide range of technical skills, Physically fitting and having the ability to work on site and at remote locations.

Educational Qualifications

Faculty of Engineering EL-Minya University

B.C.S of Electrical Engineering Power and Machine department (2017 – 2021)

Academic Degree: Very Good with Honor [81.99 %]

Graduation Project 1: Distribution Electrical Power Systems for a Smart City for Covid-19

Graduation Project 2: Design and Implementation a solar power station

Graduation Project Grade: Excellent

Work Experiences

Dec 2024 – Present



Electrical Site Engineer | SANA Creative Engineering Solution Company | Riyadh, KSA

Job Responsibilities:

- Oversee all electrical installations on site ensuring compliance with design specification and safety standards.
- Provide technical guidance to the site team ensure that installations are conducted according to project specs.
- Study design drawings then Prepare shop drawings and Q.S for all Electrical power and Low current systems.
- Coordinate with other engineering disciplines to ensure smooth work flow and timely completion of the project.
- Testing, Commissioning and operation all electrical power systems and low current networks.

Projects:

- ✚ Replacement of the fire alarm system in the Researcher Housing Buildings at the Medical City of King Khalid Hospital – Riyadh – KSA

Job Responsibilities:

- 1- Develop and maintain project timelines, milestones, and work schedules.
- 2- Coordinate with hospital administration, engineering consultants
- 3- Identify deficiencies and propose solutions aligned with civil defense and NFPA standards.
- 4- Prepare design layouts for the new fire alarm addressable system.
- 5- Select appropriate control panels, detectors, notification appliances, and wiring methods.
- 6- Ensure design and implementation comply with Saudi Civil Defense regulations, NFPA 72

- 7- Assist in obtaining necessary permits and approvals from relevant authorities.
- 8- Supervise the dismantling of the old system and installation of the new system.
- 9- Oversee cabling, device mounting, programming, and labeling processes.
- 10- Lead system testing, troubleshooting, and commissioning activities.
- 11- Ensure integration with BMS.
- 12- Prepare as-built drawings.
- 13- Ensure smooth handover of the complete, functional system to hospital authorities.

AL NASR CLUP TRAINING FIELED – King Saud University – Riyadh – KSA

- 1- Coordinate with stakeholders (Al Nasr Club – KSU, engineering consultants).
- 2- Prepare design layouts for the lighting system using DIALUX evo Program for Lighting
- 3- Coordination with suppliers, on-site receipt of floodlights, and their testing.
- 4- Ensure safety for workers.
- 5- Prepare as-built drawings

KSU PARKING AREA – King Saud University – Riyadh – KSA

- 1- Coordinate with King Saud University authorities and engineering consultants.
- 2- Preparing lighting calculations for the parking area according to codes (CIBSE – EN12464-2).
- 3- Supervising the installation of panels, cable routing and lighting poles.
- 4- Prepare as-built drawings.
- 5- Manage procurement and delivery of materials and equipment needed for the parking area.

April 2023 – Nov 2024








Electrical Design Engineer | EGECEngineering House of Expertise | Cairo, Egypt

Job Responsibilities:

- Studying the Project Requirements and Preparing Design Drawings of electrical power according to codes.
- prepare all Calculations Related to Electrical Power Systems such as Lighting calculations, Load Estimation according to codes, Transformer and generator sizing, Cable and Circuit Breaker sizing, Cable tray sizing, Earthing Calculations...
- Preparation of Single Line Diagrams
- Applying BIM Technology on these Projects by using BIM Programs to Achieving all Requirements by detecting and solving clashes with discipline (Architecture– Structure – Mechanical)
- Handling the design of electrical systems for different types of building high rise building, residential, industrial commercial and administrative, in Egypt and KSA.

Projects:

-  NEOM'S Spine Water Transmission Line West, KSA
-  TAJ MASR Tower, Commercial and Administrative building, ACUD, Egypt
-  American International School BELLE VIE, Cairo, Egypt
-  Mixed Use Building (MU4), ACUD, Egypt
-  JARIR Tower, Residential Building, Al Yasmin District, Riyadh, KSA

Technical Programs Skills

- | | | | |
|-------------|----------------|---|--------------|
| Auto CAD | Civil 3D | EKTS | Primavera P6 |
| Revit | Navisworks | Protus | |
| ETAP | SIMARIS Design | PV Syst | |
| DIA-Lux evo | ECODIAL | M.S Office (Word – Excel – Outlook – Power Point) | |

Language

- Arabic (Fluent) English (Very Good Reading, Writing, Speaking and Listening)

Training & Courses

- 2021, Trainee, ASRT (Design and Implementation of a small solar power station)
- 2020, Trainee, HA Diploma (Classic Control – PLC Basic Programming – Electric Motor Driving Programming)
- 2019, Trainee, JELECOM Company (Power System Distribution – Light Current Systems)
- 2018, Trainee, Network Training Center (NTC) – south Cairo – Helwan City
(Transmission Line Technology – Components of Transformer Stations – Transformer Testing)
- 2017, Trainee, Faculty of Engineering El Minya University (Basics of Electrical and Electronic Engineering)
- 2016, Trainee, On Line, Basics of Electrical and Electronic Engineering

Personal Skills

- Excellent command of spoken and written English
- Ability to handle multiple-tasks, work under pressure, desire to learn and upgrade and problem solving
- Perform engineering tasks using computer-assisted engineering methods and design software.
- Communicate with customers, other engineers and other relevant parties to ensure current engineering projects are on task and to finalize details of upcoming projects.
- Oral and written communication skills for listening to project managers and customers and communicating questions, concerns and ideas effectively.
- Time Management

Personal Information

Name: Mohammed Shaaban Hassan

Nationality: Egyptian

Religion: Muslim

Marital status: Single