

Holds a B. Sc. in Electrical Power & Machines Engineering and has over 5 years experience working in design field.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 01/02/1997
Gender : Female
Marital Status : Single
Residence : 5th Settlement, New Cairo

EDUCATION

: B. Sc. in Electrical Power & Machines Engineering, El-Shorouk Academy, 2020

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet
: Revit MEP
: AutoCAD
: BIM 360
: ETAP
: DOC
: Navisworks
: Trimble MEP
: Dialux, Dialux Evo
: Ecodial
: Matlab

TRAINING COURSES AND CERTIFICATIONS

: Credential as a LEED® Green Associate™ by the U.S. Green Building Council (May 2025).
: Fundamentals of Predictive Project Management issued by Project Management Institute (Jul. 2025).

- : Fundamentals of Agile Project Management issued by Project Management Institute (Jul. 2025).
- : Forward Program issued by McKinsey & Company (Dec. 2025).
- : Training at Shaker Academy - Shaker Consultancy Group (Sep.– Nov. 2020).
- : Design and Shop Drawing for Electric power distribution projects by Revit program, SH Group (Oct. 2019).
- : Control Diploma from HA Consulting Group: Electric motor & Drive Programming, Classic Control and PLC Basic Programming (Jun. – Aug. 2019).
- : Electric distribution course in Excellent Way TEA Serv Training (Jun. – Aug. 2019).
- : Visit to Zafarana Wind Farm Egypt – GEO (Nov. 2018).
- : Training in Faried Consultant Office (FC Consultant) (Jun. 2018).
- : Visit to Renewable Energy for Sustainability (Oct. 2017).
- : English Course, The Future University in Egypt (Aug. 2016).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2023 till now

Employer : SSH Design

Projects :

- Expo Valley in Dubai City
- Motor Sport Formula 1 in KSA
- RUA Al-Madinah, District 9A in KSA

Job title : Electrical Design Engineer

Job Description : I focus on utilizing Autodesk BIM 360 to optimize electrical design workflows and power distribution systems:

- Preparing comprehensive electrical design documents across all project stages, covering lighting, power, containment systems, earthing and lightning protection, fire alarm and voice evacuation systems, single-line diagrams, lighting control, and fire alarm riser diagrams.
- Conducting lighting design calculations using DIALUX Evo and DIALUX 4, adhering to CIBSE standard.
- Designing emergency lighting systems in full compliance with NFPA and BS Code.
- Developing power system designs, including load flow studies, short circuit analysis, feeder and panel sizing, panel schedules, cable tray and feeder data schedules, fire alarm battery sizing, and voltage drop calculations.
- Participating in coordination meetings for assigned projects.
- Collaborating closely with multidisciplinary teams to ensure design quality and integration.

Dates : From Jan. 2021 till Dec. 2023

Employer : Engineering Consultants Group (ECG)

Projects :

- RUA Al-Madinah, Superblock 5 – Cluster 1 (Aug. 2023 – Dec. 2023)
- NBE Riyadh Branch (Dec. 2022 – Feb. 2023)
- Marina Way Lagoon Hotel (May 2022 – Jul. 2023)
- Seashell Playa at North Coast (Aug. 2022 – Aug. 2023)

- IL Monte Galala – Phase 2 (Aug. 2022 – Jan. 2023)
- Le Galawa Comoros Beach Hotel (Jul. 2022 – Sep. 2022)
- Saint Catherine Airport (Oct. 2022 – Dec. 2022)
- Central Labs in Badr City (Aug. 2023 – Sep. 2023)
- Gloria Hospital (Jul. 2022 – Aug. 2022)
- Heart Medical Center (Mar. 2022 – Jul. 2022)
- The Club – ZED East (Jan. 2022 – Jun. 2022)
- El-Gouna Concert Hall (Dec. 2021 – Jan. 2022)
- Galala Landmark (Jan. 2022 – May 2022)
- Smeralda Bay (Jan. 2022 – Apr. 2022)
- Mivida Office Park in Parcel 32, "The Place" (May 2021 – Dec. 2021)
- Open Air Mall in Madinaty (Dec. 2021 – Mar. 2022)

Job title : Electrical Design Engineer

Job Description :

- Preparing detailed Bills of Quantities (BOQs), including itemization and quantity take-offs.
- Designing lighting systems and small power distribution layouts, along with associated calculations.
- Selecting and sizing LV/MV switchgear in alignment with project space and program requirements.
- Performing cable sizing, circuit breaker sizing, generator selection, and sizing of UPS systems, backup batteries, and transformers.
- Conducting earthing and lightning protection calculations as required for various building types.
- Routing cable trays and conduits, ensuring coordination with other disciplines to prevent clashes.
- Performing short circuit and voltage drop calculations.
- Preparing panel schedules and cable list submittals.
- Responding to RFIs (Requests for Information) within the scope of my work.