

# Hamdin Gamal

Electrical Engineer

Kafr El-Shiekh

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|| 🇪🇬 : Military Status: Exempted

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## Objective

**Electrical Power Engineer** with strong EPC background in LV distribution, MEP design, ELV systems, panel-building, tendering, BIM, IEC standards, technical reporting, full technical-submittal coordination, and project management.

## Work Experience

### • Electrical Site Engineer

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- Electric Express Train Project (HSR – Marsa Matruh Station (MMS) (06/2025–Present)
- ITC and EPIC MALL (New Capital) , (01/2025–03/2025)

#### Key Responsibilities:

- Executed first-fix works ((UPVC & EMT and RGS) Conduits, Cable Trays and Cable Trunk, boxes), coordinated RFIs and drawings with the Technical Office, and supported QS/invoice preparation. Delivered 300+ lighting & power points per specs and resolved technical conflicts with TO and the consultant.

### • Training Branch Manager – Electrical Diploma Round 19 (1000+trainees) (01/2024–10/2024)

*Dar Al-Kahrabaa Training Center*



#### Key Responsibilities:

- Prepared complete technical content for the R19 DK program and delivered 6+ technical lectures/workshops, while leading the quizzes team and producing 12+ quizzes across all diploma tracks.
- Assisted trainees in understanding course structure
- Evaluated and reviewed tasks
- Contributed to organizing technical and camps workshops with 5+ universities, and supported all program events, including preparation activities and the closing ceremony.

### • Technical Office Engineer (Part-time)

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(04/2024–09/2024)

- Value Engineering in different designed projects and some calculation Excel sheets.

### • Freelance Technical Office / Tender Engineer

- Review Tender Documents and drawings, coordinate with suppliers for technical/financial offers, and prepare detailed cost estimates while supporting procurement activities.

## Technical Complete projects

- **Hospital building LV & ELV Systems Design (Individual)** / Load estimation, Full LV & ELV design, shop drawings & tender docs.
- **4T4 Mall New Capital (Group)** / Full LV & ELV design with shop drawings & panel-building works.
- **Office Building – Revit** / MEP model with layouts and schedules.

## **Diplomas, Trainings & Internships (Selected)**

- **BIM Diploma — Niqat Global** (Jun 2025 – Present)
  - Currently enrolled in a comprehensive Building Information Modeling (BIM) course focused on MEP systems, including Revit MEP, Navisworks, Clash Detection, shop drawings, quantity take-off, and coordination techniques. Training tailored for electrical design and site engineers in accordance with international BIM standards.
  - BIM management, Revit/Navisworks, CDE tools, quantification & scheduling...
- **Electrical Distribution Diploma — Dar Al-Kahrabaa** (Top 50 of 850+, 06/2023–09/2023)
  - LV/MV design, ELV systems, load & short-circuit calculations, voltage drop, SLDs, coordination studies, panel schedules, shop drawings, panel-building, KNX, tendering, QA/QC, testing & commissioning.
- **Electrical Design with Revit — DK** (Oct 2023)
  - Revit MEP modeling and coordinated drawings.
- **Electrical Distribution Diploma + Revit** Eng. Mohamed Emam (2022 & 2025)
  - LV design, Revit modeling, and BMS fundamentals.
- **Technical Field Visits (5+) — DK** (Giza Cable Factory, Chint Egemac, etc., 2023&2024)
  - Factory inspections and practical electrical exposure.

## **Education**

- **Faculty of Engineering, Kafr El-Shiekh University** (09/2020- 06/2025)  
**B.Sc. in Electrical Power and Machines.**

### ➤ **Graduation Projects:**

- Electrical Distribution for Academic Building (AAST)
  - ✓ Design including lighting, small power, HVAC, panel schedule, cables, voltage drop, short-circuit calculations and developed single-line diagrams
  - ✓ light current systems (Fire Alarm, CCTV, Access Control, Data & Telephone).
  - ✓ Preparation of BOQ

## **Skills**

- **Technical & Soft Skills**
  - **Software:** AutoCAD (advanced), Dialux Evo, ETAP  
BIM Tools (Revit (advanced) – Navisworks – ACC)
  - **Office Tools:** Advanced Excel, Word, PowerPoint, Outlook
  - **Skills:** Strong technical judgment, Strong knowledge of BIM technology, creative problem-solving, decisive communication, and reliable leadership—delivering high-quality work under pressure with strong site supervision and MEP coordination.
  - **Languages:** Arabic (Native) — English (Good)

**Last Update: Jan 2026**