

Mohamed Adly Hussien

Electrical BIM Engineer

 Riyadh, Saudi Arabia

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Career Objective

Electrical Engineer with 6+ years of professional experience in technical office operations, site supervision, and electrical maintenance. Specialized in **BIM coordination and modeling using Revit**, with strong expertise in low voltage and light current systems. Skilled in preparing shop drawings, BOQs, and project documentation while ensuring compliance with international standards. Seeking to contribute to innovative and large-scale projects within multidisciplinary AEC environments.

Education

Aswan University – Egypt


Bachelor's Degree in Electrical Engineering

 Sep 2014 – May 2019

- Graduation Project: *Electrical Distribution with Renewable Energy Integration*
 - **Grade: Excellent**
 - Overall Grade: **Good**
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Experience


Electrical Maintenance Engineer | Abor Elwadi Company

 **Dec 2024 – Present**

- Performed routine and preventive maintenance for various electrical systems.
- Diagnosed and resolved electrical faults, reducing system downtime.
- Ensured compliance with safety regulations through regular system inspections.
- Maintained accurate maintenance records and coordinated with technical departments.

Electrical BIM Engineer | China State Construction Engineering Corp. (CSCEC Egypt)


Project: *Alamein T01 Downtown Tower*

 Dec 2022 – Dec 2024

- Participated in **BIM modeling and coordination** for electrical systems using *Autodesk Revit*.
 - Developed detailed shop drawings for LV systems: Power, Lighting, A/C, EWH, Cable Routing.
 - Updated and reviewed as-built documentation and SLDs.
 - Issued SCRs and coordinated with consultants for final approvals.
 - Collaborated with BIM and technical office teams to resolve design conflicts and maintain model accuracy.
 - Negotiated with suppliers to ensure timely and cost-effective material delivery.
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Electrical Technical Office & Site Engineer | Aswan Engineering & Construction Company


Project: *Luxor Security Forces Camp – Al Baghdadi*

 Sep 2019 – Dec 2022

- Designed and implemented LV and light current systems (Data, Fire Alarm, CCTV, SMATV, Fiber).
 - Prepared full sets of shop drawings, BOQs, and as-built documentation.
 - Supervised site execution ensuring compliance with project specifications.
 - Coordinated with contractors and consultants for approvals and technical clarifications.
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Electrical Technical Office & Site Engineer | Aswan Engineering & Construction Company

Project: *Health Units (Hesa, El Khazan, High Dam)*

 June 2019 – Sep 2019

- Prepared shop drawings, BOQs, and SLDs for LV systems.
- Supervised installation works and verified on-site compliance.
- Reviewed vendor quotations and optimized material selection for cost efficiency.

Skills

Technical Skills:

- **BIM Tools:** Revit (Good), AutoCAD (Very Good), Navisworks (Basic)
- **Design & Calculation:** DIALux Evo (Very Good), Electrical Load & SLD Analysis
- **Controls & Automation:** Classic Control, Industrial PLC (Basic & Advanced)
- **Documentation:** Shop Drawings, As-Built Drawings, BOQs, SLDs
- **Office Tools:** Microsoft Word, Excel, PowerPoint (Excellent)

Personal Skills:

- Strong problem-solving and analytical thinking
 - Excellent communication and teamwork
 - High accuracy under pressure
 - Effective time management and commitment to deadlines
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Courses & Certifications

- **Electrical Distribution Diploma – EGYCET**
 - **Electrical Design & Shop Drawing – EGYCET**
 - **Classic Control Applications (24 hrs) – Jelecom**
 - **Industrial PLC (Basics & Advanced, 72 hrs total) – Jelecom**
 - **Operation & Maintenance of Electric Power Stations – Helwan Center**
 - **On-Site Training – Al Maris Health Unit**
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Languages

- **Arabic:** Native
 - **English:** Very Good (Reading, Writing, Speaking)
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Key Strengths

- BIM Coordination & Electrical Modeling (Revit)
- Electrical Shop Drawings & BOQs
- As-Built Documentation & SLD Review
- Low Voltage & Light Current System Design
- Site Supervision & QA/QC
- Vendor Coordination & Procurement
- Problem-Solving & Multidisciplinary Collaboration