

# Mohamed Abdel Azeem Salama

**Senior Electrical Engineer | Technical Office & Site Supervision**

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## Summary

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Senior Electrical Engineer with 12+ years of experience in electrical engineering, project execution, and large-scale construction projects, PMP-certified with proven expertise in managing MV & LV networks and overseeing full project lifecycle from planning to commissioning. Skilled in both Technical Office and Site Engineering, including electrical design, cost estimation, BOQ preparation, scheduling, quality control, and compliance with Saudi standards. Strong in coordination with consultants, subcontractors, and suppliers, with experience with The Etimad platform. Hands-on expertise in power distribution systems, including transformers, generators, RMUs, LV panels, lighting, fire alarm, CCTV, public address, and data and telecommunications systems, with a proven track record of delivering projects within scope, budget, and timeline.

## Education

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**Bachelor's degree of Electrical Power & Machines Engineering, Zagazig University, Egypt (2012)**

## Work Experience

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➤ **Senior Electrical Engineer** (Oct 2019 – Present)

**Al-Radi Trading and Contracting Company | Buraidah - Saudi Arabia**

- Lead and coordinate the execution, design, and technical coordination of multiple healthcare, educational, and governmental projects across Al Qassim region.
- Projects include hospital developments (CSSD, emergency departments, isolation rooms, operating theaters), schools' maintenance and restoration, mosque rehabilitation, and public sector buildings.
- Responsible for electrical design and shop drawings, ensuring compliance with project specifications and Saudi standards.
- Oversee installation and maintenance of MV/LV systems, lighting systems, LV panels, fire alarm systems, CCTV, data and telephone networks, UPS systems, nurse call systems, and firefighting systems.
- Coordinate closely with consultants, subcontractors, and stakeholders to ensure smooth execution and technical resolution on site.
- Supervise integration of electrical works with HVAC and civil activities to ensure project completion within quality, time, and safety requirements.

➤ **Site Engineer**

**(Apr 2019 – Oct 2019)**

**EDG Consulting Group | Giza - Egypt**

- Led electrical works for major projects including the State Council buildings in Tanta and a food industry factory in 6th of October City.
- Responsible for design coordination, shop drawings, and site supervision.
- Oversaw installation of RMUs, transformers, generators, ATS systems, LV and sub-main panels, cable routing, and busbar systems.
- Managed execution of fire alarm, CCTV, data, and telecommunication systems, ensuring compliance with design specifications and quality standards.

➤ **Electrical Engineer**

**(Apr 2014 – Apr 2019)**

**National Cancer Institute, Cairo University | Cairo - Egypt**

- Worked on major institutional healthcare projects including restoration of the northern building and construction and equipping of the southern building of the institute.
- Responsible for technical office and site supervision activities including electrical design review, shop drawings, and coordination of execution works.
- Directed the installation, testing, and maintenance of electrical systems, including lighting, UPS systems, LV panels, generators, transformers, power cables, and busbar systems.
- Managed installation and maintenance of fire alarm systems, sound systems, nurse call systems, bed head units, and operating room equipment.
- Oversaw maintenance of elevators, kitchen and laundry equipment, and electrical hospital systems ensuring operational reliability and compliance with healthcare standards.

➤ **Electrical Engineer**

**(July 2012– Apr 2014)**

**Small Subcontractors | Al Sharqia - Egypt**

- Worked on multiple residential, industrial, and commercial projects including social housing developments, factories, hotels, and industrial facilities.
- Responsible for site execution and electrical installation activities.
- Participated in electrical design for industrial projects and monitored installation of power distribution systems, lighting systems, and low voltage networks.
- Gained hands-on experience in construction site operations, cable installation, panel wiring, and coordination with civil and mechanical works.

## **Personal Skills**

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- Site Execution & Construction Management
- Project Planning & Scheduling (MS Project)
- Cost Estimation, BOQ Preparation & Quantity Takeoff
- Electrical Design Coordination & Shop Drawings Review
- Quality Control (QC), Specifications Compliance & Site Inspections
- Method Statements Preparation & Safety Compliance
- Coordination with Consultants, Subcontractors & Suppliers
- Technical Problem Solving & Site Coordination
- Team Leadership & Site Supervision

## **Technical Skills**

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- AutoCAD: Advanced
- MS Project: Intermediate
- Microsoft Office: Advanced
- Saudi Building Code (SBC)

## **Certifications & Professional Courses**

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- PMP – Project Management Institute
- Basics of Digital Marketing – Google
- ICDL (International Computer Driving License)
- Advanced PLC Course (Programmable Logic Controller)
- Refrigeration & Air Conditioning Fundamentals
- Electrical Machines Control & Operation
- Power Distribution Systems – Basic Training
- Network Fundamentals
- Summer Training – Abu Sultan Power Generation Station

## **Language Skills**

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- Arabic (Native)
- English (Very Good)