

Amr Salah Fawzi

Senior Electrical Engineer | Project Management | MEP Design & Supervision

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🌐 *[Portfolio Website] * [Portfolio Website](#)

Professional Summary

Visionary and results-driven ***Senior Electrical Engineer*** with ***16+ years*** of experience in ***MEP design, project management, and construction supervision*** across high-profile residential, commercial, and industrial projects. Expertise in ***electrical systems design, contract negotiation, vendor management, and compliance with NEC/IEC/SBC standards***. Proven ability to lead cross-functional teams, optimize project workflows, and deliver multimillion-dollar developments on time and within budget.

At Rafik El-Khoury & Partners, my focus lies in steering intricate MEP projects from conception to completion, leveraging over a year's experience in senior consultancy roles. Our team excels in managing detailed design processes and extending meticulous invitation to tender documentation, ensuring regulatory compliance and seamless authority liaisons.

Previously, as a Lead Electrical Engineer, I spearheaded key electrical projects, fostering robust management strategies and validating designs to meet the stringent needs of **high-rise** and **heritage mix-use developments**. My dedication to excellence in project management and MEP systems design validates my role as a Senior MEP consultant within the organization.

***Core Competencies: ***

- ✓ Electrical Design & Engineering | ✓ MEP Coordination | ✓ Project Execution & Supervision
- ✓ Contract & Vendor Management | ✓ Risk Assessment & Mitigation | ✓ Budget & Cost Control
- ✓ Fire Alarm & Low-Current Systems | ✓ Renewable Energy & Sustainability | ✓ Stakeholder Collaboration

Professional Experience

Senior MEP Engineer

Rafik Elkhori Engineering Consultant | *Mar 2023 – Present* (Riyadh, Saudi Arabia)

- Lead electrical design for *high-rise buildings, commercial complexes, and industrial facilities, ensuring compliance with SBC standards*.
- Prepare AOR compliance with Authority regulations and SBC code for design and service provider as (SEC-NWC-STC-RCRC-UMA-DGCL)
- Develop *technical specifications, BOQs, and tender documents* for projects.
- Supervise on-site electrical installations, approve materials, and resolve RFIs with contractors.
- Coordinate with multidisciplinary teams (mechanical, architectural) to ensure integrated project delivery.
- validating designs to meet the stringent needs of **high-rise** and **heritage mix-use developments**. My dedication to excellence in project management and

***Key Projects:** Senior Consultant specializing in MEP Project Management and Detailed Design.

* NEOM, King Abdullah Financial District (KAFD), Roshn Makkah, Diriyah Gate (DGCL).

Senior Electrical Engineer

OSUS Real-Estate Developer | *Mar 2022 – Mar 2023* (Riyadh, Saudi Arabia)

- Managed electrical systems for *malls, villas, fuel stations, and high-rise buildings*.
- Reviewed design drawings, prepared *BOQs*, and negotiated contracts with vendors.
- Oversaw *cost estimation, procurement, and quality control*, ensuring timely project completion.

Senior Electrical Engineer

Experience Castle Construction | *Mar 2019 – Mar 2022* (Saudi Arabia)

- Spearheaded *shop drawings, material submittals, and project scheduling*.
- Led *cost-saving initiatives, reducing project expenses by **15%* through optimized resource allocation.

Consultant Engineer

ALMNABR Engineering Office | *Jan 2015 – Jan 2018* (Saudi Arabia)

- Designed *low-voltage systems (fire alarms, CCTV, BMS)* for *12+ factories, 8 malls, and 4 high-rises*.
- Secured *Civil Defense and MODON approvals* for fire safety and industrial projects.

Electrical Projects Engineer

Alexandria Electricity Holding Co. | *May 2009 – Jun 2015* (Egypt)

- Supervised *MV/LV substations (132KV/66kV/11kV), transformer installations, and load calculations*.
- Managed *maintenance, fault clearance, and infrastructure upgrades* for power distribution networks.

➤ *Education & Certifications*

🎓 *B.Sc. in Electrical Engineering (Power & Machines)* – *2009*

- *Certifications: *

- Earth Fault Indicator LV/MV | Cable Joint MV | ATS Panels | Grounding Systems
- Renewable Energy | Substation Maintenance | Safety & Civil Defense Compliance
- PMP- Preparing MBA

➤ *Technical Skills*

*Design Tools: AutoCAD, Dialux, Revit

*Standards: * NEC, IEC, NFPA, SBC (Saudi building code)

*Systems: * LV/MV Distribution, Fire Alarm, BMS, CCTV, Renewable Energy

➤ *Languages*

- *Arabic* (Native) | *English* (Professional)

➤ *References*

Available upon request.