

KARIM ELBIALY

Mechanical Engineer

RIYADH - KSA

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🎓 Membership of the Egyptian Syndicate of Engineers

SUMMARY

Highly motivated professional with a proven track record in construction. Adept at leveraging project management skills to drive results and support organizational goals. Committed to excellence and continual growth.

EXPERIENCE

➤ Zaid Alhussain & Brothers Group | Riyadh | KSA

Mechanical Engineer November 2024 - Present

Design and installation of firefighting systems.

Projects:

- King Abdullah International Gardens

➤ Samcrete | Cairo | Egypt

Mechanical Site Engineer September 2021 - December 2022

Installation of HVAC, firefighting and plumbing systems.

Projects:

- Octagon Project, building no (3)

EDUCATION

BSc in Mechanical Power Engineering

Benha Faculty of Engineering - Benha University - Egypt

From Sep 2016 to June 2021

Overall grade: pass

Graduation Project: Design of a Heavy-Duty Gas Turbine for Power Generation.

Grade: Excellent

PROFESSIONAL SKILLS

- **Site Execution & Supervision:** Skilled in overseeing installation and commissioning of HVAC, firefighting, plumbing, and ventilation systems according to approved drawings and specifications.
- **Technical Drawings Interpretation:** Proficient in reading and interpreting mechanical drawings, shop drawings, and P&ID diagrams.
- **Material Take-Off & Procurement:** Experienced in preparing BOQs, material take-offs, and coordinating purchase requests with procurement teams.
- **Code Compliance:** Strong knowledge of international standards and codes (ASHRAE, NFPA and IPC) related to mechanical systems.
- **Coordination with Trades:** Effective coordination with civil, electrical, and architectural teams to resolve site conflicts and ensure smooth workflow.
- **Quality Assurance:** Ensuring proper installation practices and adherence to QA/QC procedures on site.
- **Software Proficiency:** Skilled in AutoCAD, Revit MEP (basic) and MS Office.

PERSONAL SKILLS

- **Strong Communication:** Able to clearly communicate with team members, contractors, and consultants.
- **Problem Solving:** Quick to identify issues on site and propose practical solutions.
- **Leadership & Teamwork:** Capable of leading site teams and fostering collaboration among different disciplines.
- **Time Management:** Efficient in planning daily tasks and meeting project deadlines.
- **Attention to detail:** Focused on accuracy in execution and documentation.
- **Adaptability:** Flexible in handling changing site conditions and project requirements.
- **Work under Pressure:** Maintains performance and decision-making quality under tight schedules.

PROGRAMS

- AutoCAD
- Elite Fire
- HAP
- Pipe Sizer
- Duct Sizer
- Office Programs

LANGUAGES

- Arabic - Native language
- English - Very good (spoken and written)

CAREER OBJECTIVE

As a dedicated Mechanical Site Engineer with hands-on experience in HVAC, firefighting, plumbing, and ventilation systems, I am committed to delivering high-quality work that meets international standards. I thrive in dynamic environments, enjoy solving complex site challenges, and continuously seek to enhance my technical and leadership skills. I look forward to contributing to impactful projects and growing within a forward-thinking organization.