

HESHAM MOHAMMED MORRIER

Mechanical Engineer

CONTACT

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Saudi Arabia, Riyadh

EDUCATION

2011 - 2017

Faculty of Engineering (Mechanical Engineering)

Alexandria University, Egypt

LANGUAGES

- Arabic
- English

PROFESSIONAL SUMMARY

Dedicated and detail-oriented Mechanical Engineer with 7 years of experience in manufacturing industries, construction, firefighting, and design. Proficient in AutoCAD, HAP, Elite Fire. Seeking to leverage my technical and problem-solving skills to contribute to innovative projects. Committed to continuous learning and professional development, aiming to support and enhance the company's engineering capabilities.

EXPERIENCE

Mechanical Design Engineer 2024 - Now

Sahab Engineering Consulting Office, Saudi Arabia, Riyadh

- Develop, design and follow up on site supervision mechanical firefighting systems including sprinklers, standpipes, fire pumps, and suppression systems.
- Create detailed engineering plans, drawings, and specifications for fire protection systems.
- Ensure designs comply with relevant codes, standards, and regulations (e.g., NFPA, local building codes).
- Coordinate with clients, architects, contractors, and other stakeholders to ensure project requirements are met.
- Perform hydraulic calculations for sprinkler systems, standpipes, and fire pumps.
- Collaborate with clients to understand their requirements and provide technical guidance.
- Develop, Design, review and follow up on site supervision HVAC systems according to ASHRAE standards.
- Develop, review and follow up on site supervision plumbing works

Mechanical Section Head Engineer 2023 - 2024

First Group Development, Egypt

- Review and coordinate mechanical engineering design submittals from contractors.
- Follow up on site supervision, design conflicts, and variation orders for the client.
- Review technical submissions and design layouts, as well as material submittals from contractors.
- Support the review of subcontractors' invoices when technical assistance is required.
- Document project issues and conditions.
- Monitor, coach, and develop Mechanical Engineering team members.
- Maintain organized and detailed project records.
- Ensure contractor's design and material deliverables meet project requirements.

Talenco Company, Egypt

- Review and coordinate mechanical engineering design submittals from contractors.
- Ensure all design layouts and material submittals comply with project specifications.
- Follow up on-site supervision activities, addressing design conflicts and variation orders promptly.
- Ensure all mechanical works are executed according to approved shop drawings.

Mechanical Site Engineer

2019 - 2022

Yathrib, Egypt

Projects:

- Egyptian Space Agency
- Banha National University
- Monofia National University

Responsibilities:

- Implemented central HVAC systems, including VRV and chilled water systems, as well as ventilation systems.
- Conducted inventory of all materials related to HVAC and other systems.
- Coordinated with civil and architecture engineers to ensure seamless integration of HVAC, firefighting, and plumbing systems.
- Led a team of technicians, ensuring efficient and accurate work execution.
- Fostered a collaborative team environment.

★ SKILLS

CAD	★★★★★
HAP	★★★★★
Elite Fire	★★★★★
Duct & Pipe Sizer	★★★★★
MS Office & Internet	★★★★☆