

AHMED HAMED HAMOUDA

Senior Mechanical Engineer

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PROFESSIONAL SUMMARY

Senior Mechanical Engineer with over 12 years of diversified experience across Egypt, Qatar, and Saudi Arabia in MEP systems including HVAC, Fire Fighting, Plumbing, and Infrastructure. Expert in technical office operations, tendering, site supervision, and project coordination. Holds a strong command of regional and international mechanical codes, with hands-on experience using AutoCAD, Revit, HAP, and Primavera. Accredited by the Saudi Council of Engineers (SCE #822463).

CORE COMPETENCIES

- HVAC, Fire Fighting, Plumbing, and Infrastructure Systems
- BIM (Building Information Modeling)
- Tendering & Technical Office Operations
- Shop Drawings & Material Submittals Approval
- Project Supervision & Site Coordination
- BOQ Preparation & Cost Estimation
- Client & Consultant Coordination

PROFESSIONAL EXPERIENCE

***Senior Mechanical Engineer* | Arabian Gulf for Maintenance and Contracting – Riyadh, Saudi Arabia**

March 2022 – Present

- Manage all mechanical technical office operations and coordinate project documentation.
- Review and approve shop drawings, submittals, and MIRs with consultants.
- Lead cost estimation and pricing for mechanical systems during tender phases.
- Supervise on-site installation, testing, and commissioning activities.
- Issue and track mechanical purchase orders (PO) and procurement activities.

***Site Mechanical Engineer* | Golden Supplies and Constructions – Alexandria, Egypt**

Sept 2018 – Dec 2021

- Coordinated execution plans with site teams and subcontractors.
- Ensured installation stages complied with consultant requirements and quality standards.
- Managed purchasing log and monitored procurement processes.
- Led system testing, inspection, and handover procedures.

Project Engineer (Maintenance & Operation) | East Coast Diving and Petroleum Services – Doha, Qatar

May 2014 – March 2018

- Maintained and operated Hyperbaric chamber HVAC and fire systems in ISF Hospital.
- Performed routine inspections and prepared detailed maintenance reports.

Technical Office Engineer | GAMA Engineering – Alexandria, Egypt

Sept 2012 – May 2014

- Prepared technical proposals for pumping stations including design calculations.
- Selected pumps and equipment according to project specifications.
- Developed technical and commercial offers for clients.

EDUCATION

B.Sc. in Mechanical Engineering | Alexandria University, Egypt

Graduation: June 2012

CERTIFICATIONS & TRAINING

- BIM Project Information Management – ISO 19650 Standard
- MEP Design Training Course (HVAC, Fire Fighting, Plumbing)
- IOSH Managing Safely – Institution of Occupational Safety and Health (UK)
- OSHA Standards – General Industry (29 CFR 1910)
- OSHA Standards – Construction (29 CFR 1926)
- PMP Certification Exam Preparation – 35 Hours Training

TECHNICAL SKILLS

- AutoCAD, Revit MEP, AutoFLUID
- HAP Software, Elite Fire Fighting Software
- McQuay Duct/Pipe Sizer
- Microsoft Office (Excel, Word, PowerPoint)
- Primavera P6

LANGUAGES

Arabic (Native), English (Advanced)