

MOHAMMED ABDELMOTTALB HAMID IDRIESS

SENIOR MECHANICAL ENGINEER

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PERSONAL INFORMATION

Gender: Male

Date of Birth: 17/3/1988

Nationality: Sudanese

Transferable Iqama

Valid SCE Membership

Valid Driving license

PROFESSIONAL SUMMARY

Senior Mechanical Engineer with over 12 years of experience in HVAC, plumbing, and fire protection systems across large-scale building projects. Experienced in both design and site supervision, with a strong track record of delivering high-quality engineering solutions in compliance with international standards (ASHRAE, NFPA, IPC). Skilled in project coordination, shop drawing preparation, material approvals, and system optimization to ensure efficiency, reliability, and sustainability.

PROFESSIONAL EXPERIENCE

Consulting Mechanical Engineer - Rumoz Engineering Consultancy CO.

May 2025 – Present

- Review and approve mechanical shop drawings and material submittals in accordance with project specifications.
- Supervise execution of HVAC, plumbing, and firefighting systems across multiple projects.
- Perform HVAC load calculations and participate in system selection (Chiller & VRF systems).
- Ensure compliance with international standards (ASHRAE, NFPA, IPC).
- Coordinate with consultants, contractors, and stakeholders to ensure smooth project delivery.
- Managed the preparation and tracking of Request for Information (RFI) and technical submittals to resolve site conflicts and ensure project timelines.
- Conducted regular site inspections and pressure testing for piping and ductwork to guarantee leak-free installation and adherence to quality standards.
- One of the projects I worked on Real estate development project located in King Salman Energy City (spark), consisting of 8 residential buildings, each comprising 138 apartments. The project also includes commercial malls and swimming pools. I was responsible for reviewing and approving materials and shop drawings, as well as supervising the execution of mechanical works, including HVAC systems (AHU, split units, and concealed duct systems), plumbing, and fire-fighting systems.

Mechanical Site Engineer - ANMAT CO. LTD

September 2024 – May 2025

- Prepared shop drawings and performed detailed calculations for HVAC, plumbing, and firefighting systems
- Managed material submittals and coordinated approvals with consultants and clients
- Supported project teams and site supervisors to ensure efficient execution
- Participated in coordination and progress meetings with clients
- Monitored project schedules to ensure alignment with milestones
- One of the projects I worked on is Riyadh Municipality Building rehabilitation project, where HVAC load calculations were carried out and additional systems were introduced, including chiller and VRF systems. The project also included the design and implementation of a sprinkler fire-fighting system, along with a complete redesign of the plumbing network and installation of a new fire pump system

Mechanical Site Engineer - Master Technology CO. LTD

November 2014 – December 2023

- Develop and analyze mechanical systems and equipment, preparing detailed designs and technical specifications.
- Perform engineering calculations for HVAC, fire protection, and plumbing systems to ensure optimal efficiency and performance.
- Produce coordinated shop drawings for all mechanical systems using Revit.
- Collaborate effectively with clients, consultants, architects, contractors, and other project stakeholders.
- Ensure proper integration of mechanical systems with other disciplines and overall project components.
- Prepare material take-offs and assist the procurement team in finalizing purchase orders with vendors.
- Resolved onsite technical issues and design discrepancies by coordinating directly with the engineering and production teams.
- Performed final inspections and witnessed commissioning activities for HVAC and firefighting systems before project handover.
- Monitor and supervise on-site execution of mechanical works to ensure compliance with design and specifications.

EDUCATION

University: Sudan University of Science and Technology
Bachelor's degree in mechanical engineering
Graduated: December 2012

SOFTWARE SKILLS

AutoCAD

Revit

HAP

Duct Sizer

Elite

COURSES

Plumbing Design

Firefighting Systems Design

HVAC Design
