

MOHAMED SAMIR ABD ELHALIM HASSAN

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👤 Married | 📅 21th of Mar. 1994 | 🚗 Driving License: Saudi Driving License | 🌐 Nationality: Egyptian

SUMMARY

A Senior Mechanical Technical Office Engineer with more than 9 years of experience in managing the technical aspects of various construction projects. I'm proficient in my work and have a strong interest in project details. I'm able to prepare and review project work shop drawings (WSD), As-built drawings, material approvals, and bill of quantities, in accordance with the project's technical specifications. I'm able to coordinate between design and execution work on site, to ensure that work proceeds with the required accuracy and according to the required specifications, and to ensure that project documents are delivered on time.

Proficient in using Software [AutoCAD - Revit - Elite - HAP – Duct Sizer - MS Office].

I can work under pressure, identify problems during project execution and find solutions for it. I have the ability to lead a team of engineers and coordinate between different departments.

EDUCATION

Bachelor's Degree in Mechanical Engineering

Faculty of Engineering – Tanta University

Sep. 2012 – Jun. 2017

Overall Grade: Very Good.

Graduation Project: Air Conditioning Systems – Grade: Excellent

EXPERIENCE

Senior Mechanical Technical Office Engineer

Partners of Development for Construction Company – SAUDI ARIBA.

July. 2025 – till Now

Responsibilities: -

- Prepare estimated bill of quantities for all project materials.
- Prepare project documents including material approval requests, material delivery requests, work inspection requests, and quantity take-offs.
- Participate in technical reviews, specifications of requirements, designs, and calculations according to standards and codes.
- Develop shop drawings according to execution requirements.
- Issuing shop drawings for approval by the consultant.
- Coordinating with the consultant and the owner to obtain the required electrical material approvals.
- Assessed subcontractor invoices, reviewed variation orders (VO), and issued site work orders, ensuring 98% compliance with contract terms.
- Monitoring and following up on the MEP work and handing it over to the Testing & Commissioning team.
- Prepare and verify quantities for all mechanical works.
- Prepare and review subcontractors' invoices.

- Issue purchase orders for required project materials.
- Prepare as-built drawings.
- Testing and commissioning which must be carried out on installations to ensure that they are safe and meet the design requirements and the witnessing of tests on and off site shall be defined by Design specifications - Mechanical and Electrical Requirements of the validation process.

Projects: -

- Periodic check warehouses – Jeddah.
- Medical Fakeeh Saudi Airlines – Jeddah.

Scope of Work: -

- Heating Ventilation & air conditioning system (HVAC).
- Chilled water system , AHU , PACU, Concealed Unit and Wall Mounted.
- Water supply & Drainage systems.
- Irrigation Network & Rain drain Systems.
- Fire Fighting System.
- Aerosol System (Stat-X and Fire Pro) , FM-200 and Novec.
- Medical Gasses.

Mechanical Site & Technical Office Engineer

Afaq Al-Manzil Contracting Co. Ltd. – SAUDI ARIBA

Nov. 2022 – July. 2025

Responsibilities: -

- Prepare estimated bill of quantities for all project materials.
- Prepare project documents including material approval requests, material delivery requests, work inspection requests, and quantity take-offs.
- Participate in technical reviews, specifications of requirements, designs, and calculations according to standards and codes.
- Develop shop drawings according to execution requirements.
- Issuing shop drawings for approval by the consultant.
- Coordinating with the consultant and the owner to obtain the required electrical material approvals.
- Assessed subcontractor invoices, reviewed variation orders (VO), and issued site work orders, ensuring 98% compliance with contract terms.
- Monitoring and following up on the MEP work and handing it over to the Testing & Commissioning team.
- Prepare and verify quantities for all mechanical works.
- Prepare and review subcontractors' invoices.
- Issue purchase orders for required project materials.
- Prepare as-built drawings.

- Testing and commissioning which must be carried out on installations to ensure that they are safe and meet the design requirements and The witnessing of tests on and off site shall be defined by Design specifications - Mechanical and Electrical Requirements of the validation process.

Projects: -

- Early Childhood Schools (2 in Jeddah, 2 in Madinah, 3 in Makkah) – SAR 100 million.
- Saudi Post Warehouse – Jeddah – SAR 60 million.
- Bank Al bilad – Tabuk – SAR 15 million.
- Bank Al bilad – Makkah (Al-Awali branch) – SAR 14 million.
- National Commercial Bank – Jeddah (Al-Falah) – SAR 5 million.
- National Commercial Bank – Riyadh (Al-Saadah) – SAR 5.5 million.
- Al-Rajhi Bank – Madinah (Shoran) – SAR 7 million.
- Al-Sharai Primary School 88 – Makkah – SAR 15 million.

Scope of Work: -

- Heating Ventilation & air conditioning system (HVAC).
- Chilled water system , AHU , PACU, Concealed Unit and Wall Mounted.
- Water supply & Drainage systems.
- Irrigation Network & Rain drain Systems.
- Fire Fighting System.
- Aerosol System (Stat-X and Fire Pro) , FM-200 and Novec.

Mechanical Site & Technical Office Engineer

Arabian Engineering & Contracting Co. - EGYPT

Jan. 2019 – Nov. 2022

Responsibilities: -

- Prepare project documents including material approval requests, material delivery requests, work inspection requests, and quantity take-offs.
- Develop shop drawings according to execution requirements.
- Prepare and verify quantities for all mechanical works.
- Prepare and review subcontractors' invoices.
- Issue purchase orders for required project materials.
- Prepare as-built drawings.

Projects: -

- Novartis Pharma Production Building No. 20 – Cairo – 8,000 m² – EGP 70M.
- Architectural and electromechanical finishes for Production Building No. 20 – Cairo – 4,000 m² EGP 50M.
- Renovation and finishes for Production Building No. 43 – Cairo – 1,500 m² – EGP 45M.
- Upgrade and renovation of production facilities – GlaxoSmithKline – EGP 30M

SOFTWARE

MICROSOFT OFFICE PROGRAMES

Word | Excel | Outlook | Power Point |



DESIGN PROGRAMES

Duct Sizer | Elite | HAP |



AUTODESK PROGRAMES

AUTOCAD | REVIT |



LANGUAGE

Native Language: **Arabic** (Fluently)
Second Language: **English** (Excellent)

SKILLS

- Proficient in computer use and internet research.
- Strong self-learning ability.
- Teamwork and task distribution skills.
- Leadership and decision-making capabilities.
- Excellent communication and presentation skills.
- Ability to meet deadlines and stay organized in a fast-paced environment.