

AHMED MOHAMMED ABD EL MONEIM HASSAN

SENIOR MECHANICAL ENGINEER

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JEDDAH, SAUDI ARABIA

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PROFESSIONAL SUMMARY

Accomplished Senior Mechanical Engineer with over 10 years of experience in mechanical design and project leadership across diverse sectors including constructions, pharmaceuticals, food, and HVAC. Proficient in CAD modelling tools such as Revit BIM, Navisworks, and AutoCAD. Demonstrated expertise in design for manufacturability and adherence to ASME, ISO, and API standards strong command of materials selection, mechanical systems integration Successful in leading cross-functional teams to deliver innovative and cost-effective engineering solutions aligned with business goals.

CORE COMPETENCIES

- Mechanical Design (HVAC, Utilities, Firefighting).
- Revit BIM | Navisworks | AutoCAD.
- GMP / FDA / ISO Compliance.
- Project & Team Management.
- Cost Control & Value Engineering.
- Preventive & Predictive Maintenance.
- Engineering Documentation & SOP's.
- HAP | Elite Fire | Primavera P6 | MS Office.

PROFESSIONAL EXPERIENCE

Nov. 2023 – Present

Senior Mechanical Section Head Engineer.

East Delta Saudi Co. Ltd (EDSCO), Jeddah, Saudi Arabia.

- Lead MEP design engineering and execution for establishment of multiple major projects including: KAIA PSHU-T1 JEDCO, SOUQ 7 Ph.1&2, AQUAT Factory, TAHAKOM HQ, IEC Hospital, CONRAD Hilton Riyadh.

Dec. 2021 – Nov. 2023

Senior Mechanical Section Head Engineer.

United Constructors Contracting Company (UCCL), Jeddah, Saudi Arabia.

- Managed HVAC and mechanical systems for over 10 large-scale developments including: Al AMEEN Al Baghdadiyah Compound, Al Hamra 'DANUBE' Avenue, Al JANAYEN Office Tower, KAIA 'Danube' JEDCO, LAMINA Tower, MARRIOTT Jeddah Hotel, RADISSON BLU Jeddah Hotel, BIN DAWOOD Al Rawdah Mall.

Jan. 2021 – Dec. 2021

Utilities Manager.

GIPCCO Pharma Factory, Jeddah, Saudi Arabia.

- Oversaw black and clean utility systems (HVAC, WFI, PW, steam, compressed air, etc.), and maintain accurate documentations & SOP's.
- Ensured full GMP & GLP compliance, led energy optimization and utility upgrades, supervised maintenance and audits.
- Implement preventive and predictive maintenance programs.

Jan. 2020 – Jan. 2021

Mechanical Technical Office Engineer.

Ghounaim International Company (GIC), Jeddah, Saudi Arabia.

- Delivered HVAC, plumbing, And Firefighting systems for compounds including: establishment of *DARI Q 'ALJ'* Compound, *Al JAWHARA* Compound, Al Khalidia District Villas '*Al NAGHI*', Al Salama District '*GARDINIA*' Compound.

Jan. 2019 – Jan. 2020

Utilities Section Head Engineer.

Pharco Pharmaceuticals Factory, Alexandria, Egypt.

- Planned and designed requirements for central air conditioning and ventilation systems support audits, validation, and production needs.
- Supervised contractors executing clean room validation and pharmaceutical plans for M.O.H compliance.
- Coordinated reverse osmosis plants and water treatment systems including soft, purified, distilled, and industrial sewage networks.

Jan. 2017 – Jan. 2019

Utilities Section Head Engineer.

Ultimate Pharma Factory, Alexandria, Egypt.

- Participate in setting design and maintenance of cleanrooms maps, HVAC, firefighting, water systems, compressed air, and generators.
- Supervised pharmaceutical utility infrastructure for Production lines including air systems, fire safety, RO, steam, BMS, and water treatment.
- Maintained GMP/GLP standards and managed BMS systems.

Mar. 2014 – Dec. 2016

Mechanical Projects Executive Engineer.

Falcon Power Systems SAE, Alexandria, Egypt.

- Established of National Bank of Egypt Marsa Matrouh Branch, Renovation of HVAC system *SARTA* (genetics & informatics buildings), V.R.V System of *BANK MISR* Karmouz branch.

Feb. 2013 – Feb. 2014

Mechanical Site Engineer.

Continental Trading & Shipping Co. Ltd., Alexandria, Egypt.

- Executed HVAC installation for Sidi Gaber Mall 'Phase 2&3', Smouha Sporting Club HVAC System 'Olympic swimming pool and Bowling Hall', Central Ventilation and Air Conditioning Systems of Louran hospital.

Aug. 2012 – Jan. 2013

Mechanical Technical Office Engineer.

Omega Consulting & Contracting Office, Alexandria, Egypt.

- Designed and implemented HVAC and firefighting systems for hospitals and banks as *BANK MISR*-Sidi Gaber branch, Replacement and regeneration of *DK-Mills*, Karmouz hospital HVAC, Plumbing & Firefighting networks for Abbas Helmi psychological Hospital.

EDUCATION

May 2012

Bachelor's degree in Mechanical Engineering.
Faculty of Engineering - Alexandria University, Egypt.

Graduation year 2012 | GPA: Very Good | HVAC Project Grade: Excellent.

LANGUAGES

- Arabic: Native Language.
- English: Fluent (Read, Write, and Speak).

PROGRAMS AND SOFTWARE SKILLS

- Revit MEP Autodesk® Authorized. Ver. 2022.
- Navisworks Autodesk® Authorized. Ver. 2025.
- BIM Unit Management Ver. 2025.
- HAP 4.3, 4.6 (Hourly Analysis Program) Carrier software.
- Elite Fire 6.0.237 (Firefighting system design).
- AutoCAD Autodesk® Authorized. Ver. 2024.
- ASHRAE SMACNA Duct, Duct fittings database, and Pipe Sizer.
- Primavera scheduling Ver.P6 program.
- MS Office: Up to 2023 Including Word, Excel, PowerPoint, Access, etc.

ADVANCED STUDIES AND COURSES

- Project Management Professional (PMP)®. June 2022.
- LG VRF / VRV IV System Design and Selection Concepts. April 2021.
- Diploma in work management systems. March 2014.
- Human Resources management and soft skills. April 2014.
- HVAC (Primary and advanced levels) design course. August 2013.
- Building management system (HVAC-Siemens). September 2013.
- Fire Fighting system design course. October 2013.
- Pumps course: Selection, Operation and Trouble shooting. June 2013.
- PLC fundamentals programming course. February 2012.
- Advanced Level of Hydraulic & Pneumatic control circuits. March 2012.
- Refrigeration Installation for commercial purposes. April 2012.
- Air conditioning systems "circuits and methods of installation ". May 2012.

PERSONAL DETAILS

- Date of Birth: August 17th, 1988.
- Nationality: Egyptian.
- Marital Status: Married.
- Military Status: Final Exemption.
- Visa Status: Valid Work Permit (Saudi Arabia).

REFERENCES

"All Supporting Documents Are Available Upon Your Request".