

Hassan Talal Ghandour

Mechanical Engineer

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linkedin.com/in/hassan-ghandour222 | Iqama Status: Transferable

CAREER OBJECTIVE

Looking for a new opportunity as an MEP Site Mechanical Engineer where I can use my experience from Fatayergi Company (FCC) to help a company grow and succeed.

PROFESSIONAL EXPERIENCE

Ocean Golf Private Residences Project (154 villas)

Fatayergi Company, Red Sea Global (AMAALA)

MEP Site Mechanical Engineer | July 2024 – Present

Phase 1 – Infrastructure & Early-Stage Villa MEP Works

- Managed and supervised the installation of all MEP systems for the Ocean Golf Private Residences project, including plumbing networks, electrical systems, and swimming pool piping.
- Ensured accurate execution of MEP works according to IFC drawings, technical specifications, and Red Sea Global quality standards.
- Executed full underground utilities installation from excavation through laying UPVC, HDPE, and PPR piping networks.
- Coordinated with the Quality Control team for inspections, material approvals, and compliance with RSG procedures.
- Performed essential system testing, including:
 - Gravity tests for UPVC drainage networks.
 - Hydrostatic pressure tests for PPR hot/cold water systems and HDPE lines.

Phase 2 – MEP & ELV Works

- Led the continuation and completion of all MEP installations, covering drainage, water supply, VRF HVAC systems, copper piping, and LPG networks.
- Drainage Works: Executed full bathroom finishing and leveling, completed the rainwater drainage system up to roof drains, and conducted all gravity tests and inspections.
- Water Supply Works: Installed hot, cold, and return water lines (up to 90 mm), including valves, accessories, and routing to the mechanical room. Installed booster pumps, heat pumps, and water storage tanks.
- HVAC (VRF) System: Supervised installation of a complete VRF system using a pre-insulated, fast-install duct type, improving installation speed and quality.
- Coordinated efficiently across trades to ensure timely completion of villa finishing and MEP commissioning activities.

Chiller Water System Design – Tower in KSA

HVAC Project Design | Feb 1 – Apr 12, 2024

- Redesign chiller water system for a 21-floor tower in KSA.
- Selected air cooler chiller and sized pump head and flow rate for optimal performance.
- Chose appropriate fan coil units and designed and sized pipes for the system.
- Designed ductwork and selected square diffusers for efficient air distribution.
- Prepared Bill of Quantities (BOQ) for the project.
- Duct weight and insulation calculations.

- Managed Split Duct Units / Package Unit installation and selection for the project.
- Estimated load using HAP.
- Selected indoor/outdoor units and square/round diffusers.
- Designed and sized ducts, including ventilation (fresh air) system.
- Prepared BOQ for the project.
- Conducted calculation for duct weight and insulation requirements

Association of Energy Engineers

Internship Online & Site | Zoom , Site| June 31 – Aug 31,2022

- Solid HVAC foundation with skills in psychrometrics, heat transfer, and HAP-based cooling load calculations.
- Experienced in AutoCAD design and hands-on project work with regular site visits.
- Actively engaged in ongoing industry learning through specialized masterclasses.
- Strong problem-solving skills honed through practical on-site troubleshooting.

SKILLS

Computer skills

- Microsoft XP applications (Word, Excel, Office, PowerPoint, Outlook, Access) – Advanced
- Proficiency in AutoCAD (2D and 3D drawings), Revit MEP, HAP , Duct size , MATLAB , Python.

Language Skills

- Arabic – (Native Tongue)
- English – (fluent spoken and written)
- French – (Beginner spoken and written)

Personal Competencies

- Ability to work in a fast-paced environment to set deadlines
- Highly organized with a creative flair for project work

EDUCATION

Oct 2019 – May 2024 **Beirut arab university, Tripoli, Lebanon**
Bachelor’s degree in mechanical engineering

Oct 2018 - May 2019 **Iman School, Akkar, Lebanon**
Lebanese Baccalaureate in General Science

CERTIFICATES

- Psychrometric demystified
- Social Entrepreneurship Training
- Excel fundamentals for data analysis
- HVAC Design Certificate
- Revit 2023 Complete Course
- HVAC Chiller System & HVAC CHW Flow Rate Design Calculation
- HAP Master Course with Complete Projects
- Plumbing Design Course
- Revit MEP - HVAC Duct Design

REFERENCES ARE AVAILABLE UPON REQUEST