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Office #21, Al Rouhani Building, Dubai

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Job Title: Mechanical Engineer (HVAC & Plumbing – Design & Site Execution)

Location: Dubai, UAE

Employment Type: Full-time

Job Description:

We are seeking a **Mechanical Engineer** with strong experience in **HVAC and plumbing systems** for both **design and site execution** in MEP projects. The ideal candidate should be capable of leading a team, managing mechanical works on-site, and ensuring projects are delivered on time, within budget, and in compliance with UAE regulations.

This role requires expertise in **mechanical design, project execution, and coordination with stakeholders** to ensure smooth delivery of projects from **concept to completion**.

Key Responsibilities:

1. Design & Engineering (HVAC & Plumbing):

- Design **HVAC systems**, including **load calculations, duct sizing, pipe routing, and equipment selection** based on ASHRAE, SMACNA, and UAE regulations.
- Develop **plumbing system designs**, including water supply, drainage, and stormwater systems, ensuring compliance with **UAE plumbing codes**.
- Prepare **technical drawings, schematics, and BOQs** using AutoCAD, Revit, and relevant software.
- Perform **pump head calculations, ventilation system design, and chilled water system layouts**.
- Select appropriate **AHUs, FCUs, VRF, chillers, ducting, piping, and fire protection equipment**.
- Work closely with electrical and civil engineers to ensure **seamless integration of mechanical systems**.
- Ensure compliance with **Dubai Municipality, DEWA, and other regulatory standards**.

2. Site Execution & Project Management:

- Oversee **HVAC and plumbing installations** at the site, ensuring adherence to design specifications.
- Supervise installation, testing, commissioning, and handover of **chillers, pumps, air distribution systems, piping, and plumbing networks**.
- Identify and troubleshoot **site-related technical issues**, ensuring timely resolution.
- Coordinate with **subcontractors, suppliers, and consultants** to ensure smooth execution.
- Review and approve **shop drawings, material submittals, and method statements**.
- Ensure compliance with **safety standards and regulatory requirements**.
- Maintain detailed project documentation, including **progress reports and inspection records**.

3. Team Leadership & Coordination:

- Lead a team of **Supervisors, and Technicians** to ensure efficient project execution.
- Conduct **progress meetings with consultants, contractors, and internal teams**.
- Manage resources effectively to ensure timely completion of projects.

Qualifications & Experience:

- **Bachelor's degree in Mechanical Engineering.**
- **7+ years of GCC experience in HVAC and plumbing design & site execution** in the UAE.
- Strong knowledge of **MEP design principles, codes, and standards (ASHRAE, SMACNA, NFPA, IPC, DM Plumbing Code)**.
- Hands-on experience in **AutoCAD, Revit, HAP (Hourly Analysis Program), and MS Excel** or relevant Software packages.
- Proven ability to **lead a team and coordinate with multiple stakeholders**.
- Strong communication and problem-solving skills.

Preferred (Not Mandatory) Certifications:

- **UAE Society of Engineers (SOE) Membership.**
- **LEED Certification (a plus).**

- **DEWA / Municipality approvals** (preferred).
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Salary & Benefits:

- **Competitive salary** based on experience.
 - **Medical insurance** as per UAE labor law.
 - **Annual leave and ticket allowance.**
 - **Career growth opportunities** within the company.
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How to Apply:

Interested candidates can send their **CV and portfolio** to hr@abrajllc.ae with the subject line **"Mechanical Engineer - HVAC & Plumbing (Design & Site) Application."**