



Mohammad Anas Ahmed

M E P Engineer

Skills:

- Strong technical knowledge
- HVAC, Fire-fighting, Electrical, Plumbing
- Complex problem solver
- Design and Engineering
- Cost control
- Organized and time management

Education:

- Bachelor of Engineering (JNTUH)
Mechanical Engineering
- Diploma (polytechnic SBTET)
Mechanical Engineering

SKILLS & Certification:

- Revit MEP
- AUTO CAD
- CATIA
- HVAC MCQUARY
- MS OFFICE

Contact Info:

+966-0537329590

✉ anasahmed1860@gmail.com

📍 Riyadh, Saudi Arabia

Summary:

Focused, Motivated MEP Engineer with 5 years of relevant experience in installation, supervision & execution of HVAC, Electrical, Firefighting, Fire alarm & Plumbing Services in interior field, commercial & residential High-rise buildings and Villas. Expertise in conducting design reviews, supervising personnel. Estimating labors, establishing schedules, maintaining budgets etc. Well-versed team leadership and task delegation to drive

Experience:

Tawasul Arabia Contracting / Mechanical site engineer (plumbing, Electrician)

JAN 2026 - TILL NOW, (Khobar, Saudi Arabia)

Project: BELGRAVIA An Ultra Luxury Residential project.

Zamil Constructions / Mechanical Site Engineer (MEP Division)

FEB 2025 - Dec 2025, (Makkah, Saudi Arabia)

Project: Third Saudi Expansion of Holy Makkah & Surrounding Area.

Aditya Constructions / Site Engineer (HVAC, Water Supply & Drainage) HOSPITALITY

JUN 2021 - AUG 2024 (Hyderabad, India)

Project: Aditya park construction.

Duties and Responsibilities

Saudi Building Code (SBC) & Regulations Compliance

- **SBC Compliance Engineering:** Applied **SBC 501 (Mechanical)** and **SBC 801 (Fire Code)** regulations to ensure all HVAC, smoke management, and fire suppression systems meet national safety and regulatory standards.
- **Civil Defense Alignment:** Coordinated engineering designs and installations to comply with **Saudi Civil Defense** requirements, successfully securing critical facility operation licenses and safety certificates.
- **SBC 701 & Water Conservation:** Engineered plumbing, drainage systems strictly following **SBC 701 (Plumbing)** and national water efficiency mandates for large-scale facilities.
- **SBC 301 Structural Mechanical Integration:** Supervised the seismic bracing and structural anchoring of heavy mechanical equipment (chillers, pumps, cooling towers) in full compliance with **SBC 301 structural load standards**.

Mission-Critical Facilities Experience (Transferable to Data Centers)

- **High-Availability Infrastructure:** Designed and maintained mechanical infrastructure targeting **99.999% uptime viability**, applying redundant typologies to eliminate single points of failure.
- **Contamination & Environment Control:** Managed air filtration, positive pressure boundaries, and dust-control protocols to protect sensitive electronic and mechanical components from the harsh Saudi climate.
- **Concurrent Maintainability:** Structured mechanical piping and valving networks to allow full system maintenance and component replacement without disrupting ongoing facility operations.

Critical Data Center Mechanical & Electrical Equipment Knowledge

- **Chilled Water Plants:** Technical knowledge of high-capacity **Chillers, Cooling Towers, and CRAH (Computer Room Air Handler)**.
- **Preventative Life-cycle Maintenance:** Executed strict maintenance routines for FCU/AHU coils, belt drives, actuators, and condensate drain lines to guarantee continuous operation without downtime.
- **Fire & Safety Systems:** Expert understanding of **Dry & Wet Fire Sprinklers** (FM-200), and **VESDA** (Very Early Smoke Detection Apparatus).
- **Electrical Infrastructure Interfacing:** Knowledgeable in how mechanical systems interface with critical power setups, including **ATS (Automatic Transfer Switches)**, **UPS (Uninterruptible Power Supply)** batteries, and standby **Diesel Generators** with bulk fuel-piping systems.

Data Analytics, Automation & BMS Experience

- **BMS & SCADA Optimization:** Utilized **Building Management Systems (BMS)** and SCADA platforms to actively monitor real-time mechanical performance, Delta-T variances, and sensor baselines.
- **Predictive Data Analytics:** Analyzed historical HVAC sensor data, thermal profiles, and energy consumption metrics to forecast equipment failures and optimize **PUE (Power Usage Effectiveness)**.
- **Automated Sequences of Operation:** Configured and validated automated chiller plant logic, emergency loop failovers, and smart variable speed drive (VSD) controls to maximize energy efficiency.

Personal Information:

PassportNumber:X8737839

Iqama:2611279791(Transferrable)

DrivingLicense:VaildSaudilicense

Nationality:Indian

Marital status: Single

Religion: Islam

Languages know: English,Arabic,Urdu

Codes & Standards

- ASHRAE
- ASME
- SMACNA & DW144
- SAUDI BUILDING CODES & SAFETY STANDARDS
- NFPA 72, NFPA 13, NFPA 20, NFPA 58, NFPA Standard 2001.

Declaration:

I Here by declare the above information is true and correct to the best of knowledge.