

Osama Sadok Jerbi

Mechanical Engineer

Address: Riyadh, Saudi Arabia

Phone: +966 56 480 7647

Email: jerbioussema@gmail.com

Saudi Driving License

Civil Status: Married

Transferable Iqama – no previous transfers

Professional Summary

Results-driven Mechanical Engineer with **10+ years of MEP experience**, specializing in **HVAC, Ventilation, water infrastructure, and drainage systems** across Saudi Arabia and Tunisia.

Proficient in **AutoCAD, Revit, Thermexcel, and Saudi Building Codes (SBC)**.

Trilingual in **Arabic, English, and French**.

Key Skills

- HVAC & Plumbing System Design
- Infrastructure Utilities (Water, Sewer, Stormwater, Irrigation)
- AutoCAD (2D) & Revit (3D)
- Material Submittals & Technical Evaluation
- RFIs, MIRs, WIRs & Technical Reports
- Bilingual Communication (AR/EN/FR)

Professional Experience

Mechanical Site & Technical Engineer, Saudi Arabia

GREEN BEAM, Riyadh, Jeddah, Dammam | 08/2025 –Present

Project: King Salman International Airport Project

Contractor: Victory shores and Dorce

Consultant: Parson Consulting Saudi Arabia

- Prepare and review shop drawings, technical submittals, for MEP and infrastructure systems in compliance with SBC, and NFPA.
- Coordinate with consultants, clients, and site teams to resolve design issues, RFIs, and technical inquiries to ensure proper construction.

- Prepare quantity take-offs, BOQs, and track material delivery schedules to keep projects on time.
- Manage technical documentation, document control, and project correspondence to ensure accurate record-keeping and contractual compliance.

Project: Jeddah Oasis Industrial City (MODON JEDDAH)

Contractor: SHAHM CONTRACTING COMPANY

Consultant: Tahalof Engineering Consulting

- Execute and supervise, plumbing, drainage, water supply ventilation, and firefighting works as mechanical subcontractor across 78 factory buildings per approved drawings and main contractor directives.
- Coordinate with main contractor, other subcontractors, and site teams to ensure smooth integration of mechanical systems within project schedule.
- Prepare and submit shop drawings and material submittals for main contractor and consultant approval prior to installation.
- Monitor daily work progress, maintain quality standards, and ensure compliance with specifications and safety requirements.
- Report technical issues and site conditions to main contractor and project management for resolution.
- Maintain daily site reports, material delivery records, and as-built documentation for all mechanical installations.

Mechanical Engineer, Saudi Arabia

Tasannam General Contracting Company, Mecca, |2025

- Prepared technical calculation notes for drainage, HVAC and water supply systems for residential building.
- Designed and optimized piping layouts and ductwork systems using AutoCAD,

HVAC Engineer, Saudi Arabia

Enjaz Al Hejaz Trade & Contracting, Mecca, |2025

- Designed HVAC systems for **Al-Rajhi Offices**.
- Prepared technical documentation and compliance reports.

MGA Trading company, Dammam | 01/2025 – 07/2025

- Handled technical sales, quotations, supplier coordination, and client support for construction projects.

HVAC Engineer

OJ Engineering, Tunisia | 05/2022 – 01/2024

- Designed HVAC installations and sanitary plumbing for commercial projects.
- Performed fluid and thermal studies to ensure optimal environmental conditions.
- Prepared technical drawings and coordinated with architects and contractors.

HVAC Engineer

TPF Engineering, Tunisia | 12/2017 – 03/2022

- Conducted fluid and thermal analyses for building services.
- Designed and dimensioned HVAC and plumbing systems for residential and commercial buildings.
- Major projects: Orange France Regional HQ, VARS Tourism Residences, Aqualudic Center (Manosque).

Project Manager

Condair Plus, Tunisia | 09/2017 – 11/2017

- Oversaw installation and maintenance of AC and climate control systems.
- Managed procurement, site monitoring, and work scheduling.
- Coordination with engineering office to deliver project plans.

Fluid Mechanics Engineer

AB Engineering, Tunisia | 06/2015 – 08/2017

- Designed HVAC, piping, and plumbing systems for residential developments.
- Conducted equipment selection and bill of quantities preparation.
- Coordinated with electrical and structural teams for integrated design.
- Key projects: Fluid study for 235 apartments (Saint Denis), Mall CORA (Val d'Yerres).

Education

- **Master's Degree in Energy Engineering**
Bouebdelli University (ULT), Tunisia | 06/2015
- **Bachelor's Degree in Mechanical Engineering (Applied License)**
Higher Institute of Technological Studies, Nabeul, Tunisia | 06/2012

Certifications & Training

- Saudi Council of Engineers: Mechanical Engineering for Building Services | July 28 – August 01, 2024
- ISO 50001 Energy Management Training, ULT Tunisia | March 16 – 18, 2015
- Thermal Balance Training, TPF Engineering | March 02, 2020