

MOHAMMAD AL-FANDI CEng , PMP

Mechanical Engineer | CEng MIMechE | PMP PMI | ISO internal auditor

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About me

As a Chartered Engineer (CEng) and PMP certified, I bring 10 years of expertise in project management, EPC execution, and technical leadership. I have a proven track record of leading multi-million-dollar projects for ARAMCO, optimizing cost savings, and maintaining a 95%+ on-time delivery KPI. My specialization spans oil & gas, energy programs, and MEP systems, with a strong focus on risk mitigation and efficient resource allocation strategies.

Professional Experience

Projects Engineer at BUSAILI Co., Saudi Arabia *(Mar 2023 – Present)*

Project title: General Management Construction – Saudi ARAMCO.

- Led EPC projects worth SAR 30 million for ARAMCO, ensuring 95%+ on-time delivery while maintaining compliance with SOW, project schedule, quality standards, and budget constraints.
- Successfully delivered the project scope, the installation of HVAC chillers, AC packages, piping connections, ducting, plumbing, and firefighting systems.
- Reviewed and approved key project documentation, including Contractor Review Packages (CRP) and Scope of Work (SOW).
- Developed KPI tracking dashboards, leading to a 5-10% reduction in project costs and mitigating risks, which decreased potential delays by 70%.
- Coordinated with subcontractors to enhance performance and maintain cost control.

Mechanical Engineer JEC Co., Qatar *(Sep 2021 – Sep 2022)*

Project title: Strategic Food Security Facility – Gov. Qatar Port.

- Managed a QR 220 million oil refinery project, achieving a 95%+ on-time delivery KPI.
- Delivered the project scope, including building a new refinery plant, installing piping systems, equipment, and support structures using advanced welding and fabrication techniques.
- Led piping system installations, enhancing efficiency by 85% through optimized integration of valves, tanks, and boilers while ensuring compliance with engineering standards.
- Oversaw material requisitions, ensuring seamless alignment with project schedules.
- Collaborated with engineering and quality control teams to resolve technical challenges and supervise inspections.

Mechanical Engineer SENDAN Co., Saudi Arabia *(Oct 2019 – Feb 2021)*

Project title: Gas Compression Facilities Expansion, Saudi ARAMCO.

- Developed comprehensive bid proposals, including technical and commercial aspects, enhancing project viability.
- Delivered compelling presentations to prospective clients, optimizing project feasibility and increasing win rates by 30%.
- Strengthened client relationships, driving new business opportunities and overseeing strategic growth projects.
- Conducted site visits to assess project scope and provided detailed reports to key stakeholders.

Project Control Engineer ARKAD E&C, Saudi Arabia (Feb 2016 – Sep 2019)

Project title: Master Gas Pipeline System Expansion II, Saudi ARAMCO -

- Directed ARAMCO's Master Gas Pipeline Phase II project, utilizing advanced automated welding technology and applied the Fusion bonded epoxy coating.
- Successfully executed the project scope, installation the gas pipeline, applying FBE coating applications, and conducting critical inspections such as holiday tests, radiography tests, and hydrostatic pressure tests.
- Led the project field teams, coordination with the external and internal stakeholders to optimizing resource utilization and ensuring the project success.

Mechanical Engineer DAEWOO E&C, Jordan (Feb 2015 – Dec 2015)

Project title: Jordan Research and Training Reactor

- Led the installation of pipe cooling systems and piping equipment for the Reactor.
- Ensured compliance with ASME B31.1 standards and reduced NCRs by 20% through quality assurance measures.

Education

Bachelor's Degree in Mechanical Engineering
Al-Balqa Applied University, Jordan (2014 – B+)

Certifications

- Chartered Engineer CEng MIMechE – UK Institution of Mechanical Engineers
- Project Management Professional (PMP) – PMI
- Internal Auditor – ISO9001, ISO14001, ISO45001, ISO 41001.
- UPDA - Ministry of Municipality and Environment, Qatar.

Languages

- **Arabic: Native**
- **English: Fluent**

Achievements

1. **Successfully Delivered Multi-Million Dollar EPC Projects for ARAMCO:** Achieved project objectives through meticulous planning, resource allocation, and effective communication with stakeholders, ensuring timely and within-budget delivery.
2. **Improved Refinery Piping System Efficiency by 15%:** Optimized workflow and collaborated with engineering teams to address technical challenges, resulting in significant operational improvements.
3. **Enhanced Transparency through Advanced Project Tracking Systems:** Implemented dashboards and reports that enabled real-time monitoring of project KPIs, enhancing decision-making efficiency.
4. **Reduced Project Costs by 10% via Strategic Contract Negotiations:** Conducted market analysis and negotiated favorable terms with subcontractors, ensuring cost efficiency while maintaining quality standards.

Personal Information

- Date of Birth: March 24, 1992 (33 age)
- Nationality: Jordanian
- Marital Status: Married

Technical Skills

Project Management (PMP Certified), Chartered Engineer (CEng – IMechE), EPC Project Execution, Primavera P6 & MS Project Scheduling, Project Cost Control & Budgeting, Critical Path Method (CPM), Delay Analysis and Mitigation Planning, Risk Management and Assessment, Power BI for KPI Dashboards, Stakeholder Communication & Coordination, Contract Negotiation & Vendor Management, Mechanical Systems Installation (HVAC, Piping, Firefighting), Technical Documentation Review (SOW, CRP), Quality Assurance & Compliance (ISO Standards), ASME B31.1 ASME B31.3 and API Standards, Welding & Fabrication Supervision, Supply Chain & Procurement Coordination, Safety Standards Implementation (ISO 45001), Engineering Design Review & Optimization, Site Supervision and Inspection Management, Client Relationship Building and Reporting.