

Job Description

Job Title:	Lead Mechanical Engineer
Job Location:	Dubai, with travel to Kurdistan
KPIs:	Safety, Manufacturing, Production, Quality

Report to:	Engineering Manager
Direct report from:	TBC
Key interactions:	Projects team, Projects Contractors, Procurement, Operations, Maintenance and HSE team

Key Responsibilities:

- Developed mechanical engineering & construction documents (conceptual studies, Basic engineering/FEED and detailed engineering)
- Prepared mechanical equipment datasheets, technical specification and materials requisitions for packages, static and rotating equipment
- Initiate and manage intelligent mechanical engineering systems and procedures. (PV Elite, Compress, AutoCAD, HTRI, Tanks, PDMS, CADWorx, Navisworks)
- Contribute to development of integrated Corporate project plans
- Implementation of multi-disciplinary projects from concept and design phase through to commissioning and handover.
- Provided engineering views/inputs for rotating equipment (ANSI, ISO, API, Non-API pumps, compressors, turbines, firefighting pumps etc.) selection & design for new, brownfield projects, field facilities plan development & replacement strategies, and participate in evaluation, conceptual, FEED studies/analysis in coordination with concerned parties,
- Pre-commissioning, Start-up, Commissioning & trouble shooting assistance.
- Define and safely deliver cost effective project (mechanical) solutions within challenging timescales
- Direct Mechanical Engineering and/or EPC contractor's activities with respect to Process Engineering
- Attend Kick-off meetings, FATS and any other technical liaison as required during engineering and procurement phase.
- Participate in Constructability reviews, model reviews, HAZID, HAZOP, SIL & QRA studies.
- Ensure Mechanical Data Sheets for Long Lead Items are issued to enable earliest placement of enquiries
- Ensure Vendor documentation is properly managed, and comments returned in timely manner to CONTRACTOR.
- Ensure integration of mechanical design between vendor packages and the process systems
- Define and safely deliver cost effective project (mechanical) solutions to internationally recognized standards, some within challenging timescales.
- Prepare, review and approve internal/external (mechanical) technical procedures and scope changes.

- Coordination with other project discipline engineering team members and other internal stakeholders.
- Monitor mechanical engineering progress and ensure necessary information flow between disciplines to meet project milestones. Contribute and provide mechanical engineering professional project status reports.
- Support effective handover and closure of projects and contracts.
- Provide on-site support during construction and commissioning activities.

Required Qualifications & Experience:

- Degree qualified.
- >15 years of experience from large capital expenditure (CAPEX) projects and brownfield modifications, preferably within the oil and gas industry. At least 5 years as a successful Lead Mechanical Engineer.
- Have a wide range of technical skills and experience but shall have knowledge of practical process techniques and equipment typically in oil & gas separation, crude stabilization, H₂S removal, water treatment, gas dehydration and sweetening, process control and safety design, and process control techniques.
- Familiar with the design, setting up and mobilization of CAPEX projects and their subsequent execution to successful completion.
- Familiar with the use of functional specifications and management of EPC contractors.
- Hands on experience with construction and commissioning.
- Experience in developing technically acceptable, constructible and operable cost-effective solutions to complex problems.
- High level of proficiency in Engineering software (PV Elite, Compress, AutoCAD, HTRI, Tanks, PDMS, CADWorx, Navisworks)
- Knowledge and Understanding of Modularized process plant design and Installation

Key Attributes:

- Excellent communication skills, ability to grasp complex issues and convey their resolution to project stakeholders.
- Hands-on, practical approach, contributes personally to solve problems and get things done with a sense of urgency.
- Ability to coordinate and provide interface between the Company's Engineering, Operations and Construction teams.
- Flexible working style with adaptability. High energy, strong work ethic. Self-starter with "fire in the belly"
- Ability to cope with pressure, complexity and ambiguity while bringing order and clarity
- Good delegator and prepared to self-deliver when needed