JOB DESCRIPTION

1. THE POSITION	
Position	Mechanical Engineer
Competency	Experienced
Function	Engineering
Division	Engineering
Position Summary	The Mechanical Engineer provides engineering support and direction for the maintenance, reliability and performance of rotating and static mechanical equipment at the Dragon LNG terminal, together with the delivery of associated mechanical engineering projects. The role holder will support the Engineering Manager to drive process safety and reliability by developing the mechanical engineering and maintenance strategy, initiation and management of major and minor projects through to implementation whilst ensuring compliance with all legislative, industry and site regulations. The role holder will provide technical support on future projects as identified in the Project Funnel, ensuring discipline deliverables are met in compliance with Project Management Framework. The Mechanical Engineer will work closely with the Operations and Maintenance teams to ensure an effective engineering service is provided to maintain plant safety, reliability and availability.
Organisational Structure	• The Mechanical Engineer reports to the Engineering Manager. • The Quality and Inspection Engineer is a direct report to the Mechanical Engineer. • The Mechanical Engineer will support the Mechanical Maintenance team. • The Mechanical Engineer will support the development of Apprentices.
Key Accountabilities	• Ensure compliance with all relevant legislation, codes, standards and company policy/procedures/work instructions. • Always maintain operational integrity and operational safety standards by maintaining DLNG equipment using a risk-based approach to set tasks that deliver optimal business results without compromising integrity or reliability. • Provide business support on all Mechanical Engineering activities, advising on proposed modifications to facilities through the MOC process, provide input and support to HAZOP's, LOPA and other safety related reviews. • Support plant design work, review and comment on mechanical engineering design documents for projects initiated by contractors or other departments, answer queries and provide supporting data and technical information. • Prepares design changes to mechanical plant, revises drawings to the as-build status and ensures change control procedures are fully documented in accordance with the Management of Change procedure. • Provide line management, oversight and support to the Quality and Inspection Engineer, retaining accountability for monitoring delivery of the inspection programme and anomaly closeout. Use specialist advice provided by the Quality

JOB DESCRIPTION

	and Inspection Engineer to determine maintenance priorities, resource requirements and escalation. • Monitor mechanical equipment performance, specifying tests to be conducted on equipment to locate faults, bad actors and malfunctions, and to solve operating problems using RCA techniques as required. • Review and analyse condition-based maintenance reports, including oil analysis, vibration monitoring, alignment and thermography. Assess trends and anomalies, advise on further investigation or corrective action, and ensure appropriate follow-up is recorded and progressed. • Provide discipline assurance for mechanical SCEs, including performance-standard compliance, impairment management, risk-based escalation and maintenance of auditable evidence that risks are reduced so far as is reasonably practicable • Develop and optimise maintenance strategies for rotating and static mechanical equipment, using equipment performance, maintenance history, condition-monitoring results and specialist inspection recommendations to determine priorities and maintenance requirements within the CMMS. • Advise Engineering Manager on all aspects of the Mechanical systems, how they are maintained, managed and operated to a level such that the plant availability is sufficient to allow the contracted daily throughput figure to be met. • Liaise with Engineering Manager in developing departmental budget. Budget holder for mechanical engineering and accountable for monitoring and controlling operational and capex expenditure. • Develop a highly multi-skilled and motivated team through performance management, mentoring, coaching, training and effective communication. • Contribute to the development of a 5-year Engineering Improvement Plan • Act as Contract Owner for key mechanical engineering contracts. • Undertake any other tasks the business requires commensurate with skills, qualifications and experience.
Change Authority	• Contribute to improve the effectiveness and accuracy of mechanical Maintenance procedures.
Authority / Influences over Resources	• Develop and implement engineering management systems, processes and procedures. • Contributes to functional reviews. • Undertakes audits and review of working practices. • Provide mechanical engineering input and assurance within the Management of Change process, acting within delegated authority and drawing on appropriate specialist support. • Stop work authority for any activity deemed unsafe.
Internal / External Interaction	• Interaction with all DLNG internal departments including multi-disciplinary interaction with operations and maintenance teams. • Build effective professional relationships across DLNG organisation and with all business partners. • Interaction with relevant regulatory bodies.
Responsibility of All Employees	• Compliance with Company policies and procedures. • Role model Company values and behaviours. • Undertaking training and development as required for their role. • Compliance with the Company Environmental Management System, ensuring implementation of environmental responsibilities commensurate to the individual role.

JOB DESCRIPTION

2. PERSON SPECIFICATION			
		Required	**Desirable**
Experience Needed	• Significant mechanical engineering and maintenance experience with rotating and static process equipment in an oil or gas processing environment, including troubleshooting, reliability improvement and technical support for maintenance of pumps, compressors, fans, heat exchangers and valves.	X	
	• Experience in supervising and providing guidance to others.	X	
Knowledge, Skills, Attributes and Qualifications	• Degree or equivalent in Mechanical Engineering.	X	
	• Chartered Engineer status or working towards.		X
	• Knowledge of Health, safety and environmental requirements associated with a top tier COMAH installation.	X	
	• Knowledge of Written Schemes of Examination (WSE) and Pressure Systems Safety Regulations (PSSR).		X
	• Excellent interpersonal and communication skills.	X	
	• Team player and result oriented in terms of achieving maximum maintenance performance.	X	
	• Computer literacy includes using various IT packages.	X	
	• High level of numeracy, literacy and an aptitude for problem solving	X	
Special Features	Dragon LNG terminal operates 24 hours per day, 365 days per year. The engineering team maintain set working hours but also work on an on-call basis. The role holder will be expected on an ad hoc basis to amend their working pattern temporarily to attend site to support the team. The role holder will also be part of the on-call duty roster and will work on a call out basis whilst on rota.		

I have received, reviewed and fully understand the contents contained within the job description	
Employee Signature:	Date: