SENIOR FACILITIES ENGINEER

JOB & PERSON SPECIFICATION

JUNE 2019

SEA Gas	Organisation: SEA Gas Division: Asset Management Date Approved: June 2019

ROLE TITLE: Senior Facilities Engineer	REPORTS TO: Head of Asset Management

ORGANISATIONAL OVERVIEW:

Our Core Purpose:

Bringing energy to the community

*Our **Vision, or 'Ideal'***

Best Infrastructure company linking Australia

Our Culture – we aspire to:

- *Be creative, think beyond*
- *Be brave, speak up*
- *Be a team, deliver together*
- *Be mindful, we care*

SEA Gas is a gas transmission business based in Adelaide, which owns and operates the SEA Gas pipeline (connecting Port Campbell, Victoria, to Adelaide, South Australia) and the Mortlake Pipeline (connecting Iona storage facility to Mortlake, Victoria). The pipeline system delivers gas to gas fired power stations and to meet industrial, commercial and domestic needs in Adelaide, Victoria and regional centres.

The organisation manages, operates and maintains approximately 800km of high pressure natural gas pipelines, two compressor stations and receipt and delivery facilities.

FUNCTION OVERVIEW:

The Senior Facilities Engineer reports to the Head of Asset Management, who in turn reports to the Chief Executive Officer, and is accountable for engineering work related to Pipeline Systems, with particular focus on pipeline facilities.

More specifically, this role is required to deliver:

- Asset Management Planning
- Maintenance scope development and procedure oversight
- Technical support to remote and metropolitan facilities along a pipeline system approximately 800km in length including:
  - Performance Reporting
  - Failure Investigations
  - Repair Planning
- Technical specifications for procurement, design & modifications
- Engineering Change Management
- Support for Fitness for Purpose and Remaining Life Reviews
- Support for preparation of annual reports for the Technical Regulator
- Technical reports in accordance with AS 2885

ENGINEERING TEAM OVERVIEW:

The purpose of the Engineering Team is to provide engineering services for Pipeline Systems:

(a) in compliance with all SEA Gas safety and environmental policies, procedures, plans and practices;
(b) in compliance with applicable standards and contractual, statutory and licensing requirements;
(c) effectively and efficiently.

The work of the Engineering Team shall include:

- design calculations, scope and specification development for Pipeline System modifications, maintenance, upgrade activities and new business opportunities;
- Pipeline Integrity Management Plans and review of integrity data to recommend future actions.
- Asset Management Plans, monitoring of equipment reliability and the performance of safety critical systems and identifying sound engineering based maintenance strategies;
- investigation of faults and failures to implement effective engineering solutions;
- preparation of technical reports in accordance with licencing and regulatory requirements;
- coordination of engineering reviews in accordance with the requirements of AS 2885;
- management of third party works in the vicinity of the Pipeline Systems;
- establishing and monitoring the performance of engineering tools related to the safe and efficient operation of the Pipeline Systems;
- development and maintenance of engineering systems.

LOCATION:	Adelaide	TOTAL NO. OF EMPLOYEES IN ORGANISATION: 40 EMPLOYEES IN BUSINESS UNIT: 11

ROLE ACCOUNTABILITIES	
ROLE PURPOSE: The role includes, but is not limited to the following accountabilities: ▪ To ensure all engineering work is in compliance with statutory requirements, standards, SEA Gas safety and environmental policies, procedures and practices; ▪ To establish and maintain pipeline Asset Management Plans by identifying sound engineering based maintenance strategies to ensure cost effective operation of Pipeline Systems; ▪ To monitor equipment reliability and the performance of safety critical systems; ▪ To develop and review maintenance procedures for compressor and metering stations, taking into account vendor recommendations, regulatory requirements, lifecycle costs and requirements for reliability and availability; ▪ To make recommendations for equipment major inspection and overhaul based on condition and risk assessment and compliance with statutory requirements; ▪ To ensure that Asset faults and failures are investigated and effective engineering solutions implemented; ▪ To liaise with suppliers and specialist contractors and consultants and provide technical support in gas analysis, metering, rotating equipment, condition monitoring and other specialist equipment; ▪ To recommend spare parts and tooling to ensure timely response to breakdowns;	▪ To provide technical support for the procurement of materials and equipment; ▪ To provide engineering support (including calculations, scope and specifications for station design and modifications) for maintenance and upgrade activities and new business opportunities; ▪ To ensure changes to Pipeline Systems are implemented in accordance with effective change management procedures; ▪ To coordinate engineering reviews, including HAZOPs, over pressure protection reviews and Safety Management Studies in accordance with the requirements of AS 2885; ▪ To assist in the establishment of engineering tools related to safe and efficient operation of Pipeline Systems ▪ To provide a leadership and mentoring role to assist other engineers with the execution of tasks in a timely and professional manner; ▪ To assist in the production, presentation and control of the Asset Management Budget and five year forecast; ▪ To assist with the planning, execution and reporting of emergency exercises; ▪ To represent SEA Gas in engineering and/or technical matters to external parties and industry bodies; and ▪ To prepare technical reports in accordance with licencing and regulatory requirements and reports on any other matters within the role.
DIRECT REPORTS: Nil	SERVICE PROVIDER CONTRACTS UNDER MANAGEMENT: 0-2
KEY WORKING RELATIONSHIPS Internal ▪ Head of Asset Management ▪ Chief Executive Officer ▪ Projects Team ▪ Operations Team ▪ HSE Manager ▪ Finance Team	External ▪ General Public ▪ Technical Regulator ▪ Emergency Services ▪ Contractors ▪ Standards Australia ▪ Australian Pipeline and Gas Association
OPERATIONAL AND STAY IN BUSINESS CAPITAL EXPENDITURE BUDGET**:** $0	CAPITAL EMPLOYED: Approximately 800km transmission system infrastructure, including 2 compressor stations, replacement value $1 billion.

FUNCTIONAL ACCOUNTABILITIES	
1. STRATEGIC	▪ Provide accurate information on which informed business decisions may be made. ▪ Provide Technical leadership for emergency response. ▪ Support implementation of business decisions and mandates within the engineering section. ▪ Provide engineering analysis and insights to improve engineering efficiency.
2. FINANCIAL	▪ Adhere to all internal financial processes, delegations of authority and policies including approvals and processing procedures. ▪ Ensure expenditure under control is optimised to contribute to maximisation of business profit. ▪ Play an active role in developing the engineering budget.
3. PEOPLE	▪ Drive effective communication with both internal and external stakeholders. ▪ Engage and develop strong working relationships with colleagues. ▪ Role model SEA Gas behaviours.
4. CUSTOMER	▪ Responsible for contributing to the business customer service offer and delivery. ▪ Develop effective and proactive working relationships with all internal clients. ▪ Ensure internal client offerings meet and/or exceed customer needs and manage expectations. ▪ Develop professional relationships with external stakeholders as required. ▪ Contribute to high levels of customer satisfaction.
5. STAKEHOLDER MANAGEMENT	▪ Manage relevant stakeholder issues and concerns proactively. ▪ Maintain the good reputation of SEA Gas. ▪ Develop strong intra-business relationships and understanding to facilitate effective internal partnering.
6. SYSTEMS / PROCESSES	▪ Comply with business processes, systems and policies. ▪ Contribute to the development and improvement of engineering systems to drive efficiency. ▪ To maintain and upgrade change management systems, such that they meet the requirements of standards and the needs of the organisation.
7. HEALTH, SAFETY AND ENVIRONMENT (HS&E)	▪ Comply with all HS&E policies, procedures and practices as articulated in the SEA Gas HSE system. ▪ Actively promote and lead the safety effort through personal involvement and leadership. ▪ Comply with section HS&E reporting requirements. Support and Implement HS&E initiatives and processes within Engineering and contribute to business implementation.

PERSON SPECIFICATIONS	
TECHNICAL / PROFESSIONAL EXPERTISE Requisite Skills	Requisite Experience & Qualifications (Essential & Preferred)
Technical ▪ Demonstrated ability in the application of Australian Standards, codes and legislation within industry; ▪ Familiarity with AS 2885.3 and key concepts required for compliance; ▪ Demonstrated broad understanding of all aspects of pipeline and station design and knowledge of station piping design and applicable design standards; ▪ An understanding of the main aspects of pipeline construction, operation and maintenance including cathodic protection, coatings, pigging and gas principals; ▪ Experience in Risk Management & leading HAZOPS and Safety Management Studies; ▪ Experience in asset management and pipeline integrity management; ▪ Knowledge of centrifugal compressor operation and maintenance; ▪ An understanding of the design, calibration and maintenance of fiscal metering systems; ▪ An understanding of the principles of pressure control systems and over-pressure protection systems, as relate to the safe operation of pipelines; ▪ Ability to utilise SCADA to obtain information; ▪ Understanding of pipeline transient modelling (preferred); ▪ Experience managing engineering changes and continuous improvement; ▪ Demonstrated analytical and diagnostic skills; ▪ Ability to recognise issues, conduct Root Cause Analyses and implement corrective actions; ▪ Demonstrated understanding and experience with health and safety in a field and office environment; ▪ Experience in incident investigation; ▪ Experience in Emergency Management. ▪ Experience with budget management for Opex and Capex; ▪ Demonstrated ability managing technical contracts; Personal ▪ Experience with report writing to the level of senior management and board submissions; ▪ Experience with writing project justifications and funding requests; ▪ Demonstrated strong oral communication skills; ▪ High level time management; ▪ Ability to manage difficult situations and multiple demands; ▪ Ability to interact professionally with peers, colleagues and both internal and external stakeholders, including specialist design engineers; ▪ Demonstrated high level of computer literacy (inc. Microsoft Office and relevant technical software); and ▪ Experience mentoring Pipeline Engineers.	Previous pipeline design or operations experience (minimum 5 years) **Qualifications** – ▪ Engineering qualifications (mechanical or chemical preferred) enabling membership of the institute of Engineers Australia (Essential); and ▪ Current Manual Driver's Licence

CORE BEHAVIOURS

1. Commitment to Safety

- Observes & practises safe & environmentally acceptable work methods.
- Maintains awareness of changes to safety policies & procedures.
- Contributes positively to a safe and fair work environment.

2. Ethics & Values

- Encourages alignment and disapproves of unaligned behaviours.
- Makes ethically sound decisions.
- Is regarded as open and honest in all dealings.

3. Teamwork and Communication

- Communicates clearly, accurately and persuasively.
- Shares information openly with the team, listening to and inviting views of others.
- Cultivates productive working relationships across teams.
- Develops rapport and trust with colleagues and customers.

4. Customer Focus

- Identifies and understands customer needs (internal and external).
- Takes personal responsibility for delivering customer service standards.
- Strives for continuous improvement in service delivery.

5. Commercial Orientation

- Understands the commercial drivers of the business.
- Makes decisions based on/in consideration of commercial and financial impact.

6. Results Focus

- Strives to improve personal & business performance.
- Demonstrates commitment to company objectives.
- Uses initiative to problem solve and sees tasks through to completion.
- Follows through on commitments made, taking responsibility for own actions.

7. Adaptability

- Demonstrates a flexible approach to change.
- Generates, promotes and supports the implementation of new ideas/approaches.
- Adapts quickly and effectively to changing demands.

8. Living our Aspirations

- Demonstrates behaviour consistent with our cultural aspirations:
- Be creative, think beyond
- Be brave, speak up
- Be a team, deliver together
- Be mindful, we care

HOW TO APPLY

Applications should be addressed to Andrew Reed. Please visit henderconsulting.com.au to apply.

For a confidential discussion, please call Lucy Dinnison-Mitchell or Christian Gaszner on (08) 8100 8827.

Please Note

Your application will be automatically acknowledged by a return email.