

MECHANICAL ASSET SPECIALIST

Position Level: L6

Location: Port Hedland

Effective Date: May 2026

Responsibilities

The Mechanical Asset Specialist is responsible for reviewing, implementing, and maintaining mechanical compliance and reliability for all Pilbara Ports' Assets. The Mechanical Asset Specialist works across relevant teams to analyse operational processes, resources, maintenance practices, asset use and safety processes.

Reporting

The Mechanical Asset Specialist reports to the Principal Engineer - Asset Planning.

Accountabilities

Result Area	Major Activities
1. Safety and People:	<ul style="list-style-type: none"> • Further a safe, inclusive, and collaborative workplace, that supports the mental health and wellbeing of self, and others. • Identify actions and changes that lead to Pilbara Ports continually improving its safe work environment; both physically and psychologically. • Lead and implement practices that improve safety and inclusion as outlined in Pilbara Ports Leadership Capability Framework.
2. Integrated Management Systems:	<ul style="list-style-type: none"> • Develop and oversee the systems that ensure Pilbara Ports complies with all applicable codes, as well as its legal and statutory requirements. • Comply with and demonstrate a positive commitment to organisational processes and ISO Management Systems including Quality, Environment, Safety, and Information Security.
3. Asset Management (Mechanical):	<ul style="list-style-type: none"> • Support a reliability centred maintenance approach to review and optimise mechanical maintenance practices with consideration to failure mode analysis and preventative maintenance schedules. • Collaborate with Mechanical Supervisors and others to Identify and manage Mechanical asset reliability risks. • Conduct Root Cause Analysis type investigations for systematic problem-solving processes. • Monitor the implementation of work management processes and Practices for break in, preventative and shutdown maintenance. • Collaborate with the ERP Specialist (Maintenance) to ensure scheduling mechanical inspections and maintenance interventions are optimised across all locations. • Collaborate with Asset Planning and Specialists to ensure that condition monitoring, condition assessments, and inspections of all plant and machinery are completed. • Monitor, review and provide reporting relating to compliance in accordance with the Asset Management Framework. • Monitor and analyse maintenance performance indicators. Metrics and corrective actions.

	<ul style="list-style-type: none"> • Contribute to the development of maintenance strategies and tactics, using reliability processes and methods. • Assist in the development of technical specifications and documents. • Maintain mechanical asset criticality registers. • Develop, implement, and continuously improve Pilbara Ports mechanical asset management systems. • Support sustaining capital solutions in accordance with the Project Management Framework. • Liaise with the Major Projects and Engineering teams in the development and progress of general works and projects. • Oversee agreed Mechanical projects, ensuring they are completed on time and within budget. • Collaborate with Stores and Mechanical Supervisors to ensure critical spares are identified and held in the inventory. • Liaise with stakeholders and support the delivery of clean energy solutions aligned to Pilbara Ports Net Zero Transition plan. • Identify and deliver appropriate technology and innovation to support the delivery of the Asset Management business plan. • Assist in monthly productivity reporting.
4. Contractor Management:	<ul style="list-style-type: none"> • Identify appropriate mechanical works to be outsourced and manage the scoping, requirements, and selection of contractors. • In consultation with relevant Supervisors and Project Managers manage mechanical contractors via standards, procedures, and performance monitoring to prevent and correct non-conformance, reporting non-compliance and taking remedial action. • Identify gaps in performance and works to understand root cause and develop and implement recovery plans (daily, weekly, quarterly horizons as well as gaps to budget). • Ensure contractor compliance with their obligations to perform their activities in accordance with the contract conditions. • Establish and monitor service level contracts with suitable vendors.
5. Corporate Leadership:	<ul style="list-style-type: none"> • Provide advice on detailed technical matters and represent Pilbara Ports externally on technical bodies shaping industry practice. • Ensure Pilbara Ports is proactive in achieving continuous improvement and keeping informed of industry changes. • Liaise with the Asset Planning Principal Engineer and provide advice about the appropriateness of resourcing and capabilities required to meet initiatives.
6. Other duties:	<ul style="list-style-type: none"> • Assist with Auditor requests in relation to EAM and ERP system audits. • Asset Planning Senior Engineer and Asset Planning Manager.

Selection Criteria

Qualifications:

- 5 years or more experience post Tertiary qualification in Mechanical Engineering or a Mechanical Trade.
- Tertiary qualifications or experience in Asset Management, Project Management or Work Management practices would be highly regarded.

Personal Attributes:

- Exhibit behaviours that align with Pilbara Ports values of Safety, Excellence, Teamwork, Integrity, and Care.
- Demonstrated commitment to an inclusive work culture that encourages diversity.
- Proactive individual, willing to learn new and innovative ways to achieve successful outcomes.
- Enjoys engaging with others in a team environment to achieve outcomes.

Work Related Requirements:

- Demonstrated technical experience in a commercial Port, Mining or comparable hazardous industry.
- Knowledge and experience of asset management governance systems in a highly regulated and/or safety critical environment.
- Demonstrated experience coordinating electrical maintenance or projects within a complex industrial setting.
- Asset management, Maintenance or Reliability experience in related industries.
- Experience developing, deploying, and continuously improving electrical asset management and maintenance systems.
- Excellent interpersonal skills with the ability to manage and build productive relationships with senior management, employees, government, and industry stakeholders.

Sound computing skills, as well as the ability to gain a Maritime Security Identification Card, and WA Driver's License are prerequisites for positions with Pilbara Ports.