

## METOCEAN ENGINEER

Position Level: L5

Location: Port Hedland

Effective Date: May 2024

### Responsibilities

The Metocean Engineer is responsible for providing professional support to the Dredging and Survey Manager and the Metocean Specialist in the design, installation, maintenance, and monitoring of Pilbara Ports' metocean equipment across all Pilbara Ports' sites.

### Reporting

The Metocean Engineer reports to the Metocean Specialist.

### Accountabilities

Result Area	Major Activities
<b>1. Safety and People:</b>	<ul style="list-style-type: none"> <li>• Further a safe, inclusive, and collaborative workplace, that supports the mental health and wellbeing of self, and others.</li> <li>• Identify actions and changes that lead to Pilbara Ports continually improving its safe work environment; both physically and psychologically.</li> </ul>
<b>2. Integrated Management Systems:</b>	<ul style="list-style-type: none"> <li>• Comply with the systems that ensure Pilbara Ports complies with all applicable codes including all legal and statutory requirements.</li> <li>• Comply with and demonstrate a positive commitment to organisational processes and ISO Management Systems including Quality, Environment, Safety and Information Security.</li> <li>• Ensure all statutory obligations are met, and standards are achieved.</li> </ul>
<b>3. Metocean Programs:</b>	<ul style="list-style-type: none"> <li>• Assist with the management of various metocean programs under the guidance of the Metocean Specialist.</li> <li>• Install and maintain new and existing metocean and hydrographic equipment.</li> <li>• Work with internal and external stakeholders to ensure the successful execution of all metocean programs.</li> <li>• Assist in the development of installation and operational manuals/procedures.</li> <li>• Successful management and supervision of Pilbara Ports Metocean Programs.</li> </ul>
<b>4. Compliance:</b>	<ul style="list-style-type: none"> <li>• Carry out the technical installation, calibration, routine maintenance, and operation of Pilbara Ports metocean equipment and the implementation of approved modifications.</li> <li>• Monitor and maintain the metocean data streams including the identification of interruptions, non-compliance and the establishment of mitigating measures and corrective actions.</li> <li>• Manage site interfaces with internal and external stakeholders.</li> <li>• Work with internal stakeholders and external contractors to ensure the successful execution of all metocean data programs.</li> <li>• Make recommendations to the Metocean Specialist for the continuous improvement of metocean equipment, networks and databases.</li> </ul>

	<ul style="list-style-type: none"> <li>Manage and monitor compliance requirements of the Pilbara Ports Metocean Data Networks ensuring quality and reliability.</li> </ul>
<b>5. Contractor and Consultant Management:</b>	<ul style="list-style-type: none"> <li>Ensure communication and solution focused approaches across stakeholders occur meeting operational goals</li> <li>Supervise and manage contractors, consultants and suppliers undertaking work directed by Pilbara Ports in line with Pilbara Ports Vendor Management System.</li> <li>Ensure work undertaken by contractors and/or consultants is completed to a high standard and within specified timeframes.</li> <li>Ensure works are completed safely through active management of all safety issues.</li> <li>Conduct periodic compliance audits to ensure effective delivery of projects and/or proposals.</li> </ul>
<b>6. Project Management:</b>	<ul style="list-style-type: none"> <li>Use Pilbara Ports Vendor Management Procedure incorporating Pilbara Ports Project Management Framework to initiate, scope, design, construct and close-out projects.</li> <li>Follow the project timeline to ensure deadlines are adhered to.</li> <li>Manage project stakeholders to ensure project requirements and risks are identified, defined and managed during the project execution.</li> <li>Identify subcontractor non-compliance with safety, health, and environmental quality standards.</li> <li>Ensure that contractors fully execute and comply with the contracted scope of work</li> </ul>
<b>7. Maintenance:</b>	<ul style="list-style-type: none"> <li>Manage a routine maintenance inspection schedule.</li> <li>Manage workshop and spare equipment.</li> <li>Ensure all operating and spare equipment are fully functional.</li> </ul>
<b>8. Other Duties:</b>	<ul style="list-style-type: none"> <li>Contribute to the preparation of monthly progress reports for the Dredging &amp; Survey Manager.</li> <li>Participate in emergency drills and training exercises as required.</li> <li>Other work as directed by the Metocean Specialist and the Dredging &amp; Survey Manager.</li> </ul>

## **Selection Criteria**

### **Qualifications:**

- Qualifications in Coastal Engineering, Meteorology, Oceanology or relevant work experience.

### **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.
- Commitment to Pilbara Ports vision to be a global leader in port planning, operations and marine services.
- Proactive individual who is willing to learn new and innovative ways to achieve successful outcomes.
- A collaborative communication style that engages with others in a team environment to achieve outcomes.

### **Work Related Requirements:**

- Demonstrated experience working in a marine environment with a focus on metocean equipment and their operation including design, upgrade, and installation of new and existing equipment.

- Demonstrated experience in the installation, calibration, routine maintenance, and operation of meteorological, oceanographic, and hydrological equipment.
- Ability to access and work with metocean equipment placed on marine structures or in a marine environment. Involves transferring from a vessel to a marine structure, then climbing a vertical ladder to heights up to 30m.
- Well-developed written and verbal communication skills including the ability to maintain and build productive relationships with contractors, colleagues and other stakeholders.
- Experience in a similar role in scientific, communication systems and meteorological, oceanographic, or hydrological instruments would be highly regarded.

Sound computing skills, as well as the ability to gain a Maritime Security Identification Card are prerequisites for positions with Pilbara Ports.