

POSITION DESCRIPTION

Position:	Mechanical Engineer
Reports To:	Engineering Manager
Supervises:	N/A
Location:	West Melbourne
Tenure:	Permanent
Conditions:	Conditions of employment are detailed in the Employment Contract. The following limits to authority cannot be exceeded without the approval of the Project Manager, Engineering Manager or Managing Director:
Authority:	<ul style="list-style-type: none">• May not alter design specifications, project budget or schedule• May not make commitments to customers involving new work or revised costs• May not raise purchase orders for materials or capital equipment• May not raise Job Numbers

General Responsibility:	<p>The Mechanical Engineer's main focus will be to:</p> <ul style="list-style-type: none">• Design and model mechanical and electronic systems as required to meet Project objectives• Assist the Engineering Team in Certification Testing <p>You will report to the Engineering Manager for technical matters relating to how you perform your work, the tools you use and the work you will undertake.</p> <p>Your work will involve working closely with other Engineers and may involve working with Project Managers, the Purchasing Officer and the Business Development Team</p>
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Specific Areas of Responsibility:	<p>The specific areas of responsibility for assigned tasks will include, but not be limited to, the following:</p> <ul style="list-style-type: none">• Apply the Tectonica engineering design and development process to the design of hardware solutions to meet project requirements.• Plan, define, develop, and document functional, systems, acceptance, and performance and certification tests to uncover defects, improve the overall quality of hardware elements and to demonstrate compliance with the specification.
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- Create hardware designs, verification documents, production plans, work instructions and quality control documents in support of the product design, development and manufacture process.
 - Participate in working groups, design reviews, and other forums internally and with customers and end-users to discuss and agree designs and explore improvement opportunities
 - Provide estimates for the team schedule and notify any schedule variances to the team leader
 - Produce all artefacts required for deliverables and internal reviews
 - Comply with Tectonica policies, processes and instructions including those relating to safety, duty of care and the Quality Management System
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Qualifications & Experience: *Essential*

- Undergraduate in mechanical engineering
- Ability to evaluate hardware products/components
- Ability to undertake hardware test design
- Experience working in a team environment

Desirable

- Experience in military systems design, test and integration
- Experience with SolidWorks 3D CAD package
- Understanding of the life-cycles of defence projects
- Well developed communication skills (both written and oral)
- Ability to work with others in a team environment, including sharing knowledge and experiences
- Ability to plan, schedule, prioritise tasks and to meet deadlines
- Attention to detail
- Helpful, cooperative and outgoing personality
- Good problem solving skills and the ability to develop creative and innovative alternative solutions
- Ability to adapt to new tasks, technologies, processes and procedures