

# ALARIS ANTENNAS (PTY) LTD

All members of the company are to abide by the company's policies and procedures.

## ANNEXURE A:

## JOB PROFILE

| 1. POSITION  |   |
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| <b>Position title:</b>                             | Mechanical Technician   |
| <b>Department:</b>                                 | R&D   |
| <b>Reporting to:</b>                               | Engineering Manager   |
| <b>Main purpose of this role</b>                   | <p>Alaris Antennas, a subsidiary of the Alaris Holdings Group, is seeking a highly motivated and skilled Mechanical Technician to support our R&amp;D team in the design, prototyping, testing, and refinement of new mechanical systems and products. The ideal candidate will have strong hands-on technical skills, experience working with complex mechanical assemblies, and a passion for innovation and problem-solving in a fast-paced research environment.</p> <p>About Alaris Antennas:<br/>Alaris Antennas, part of the Alaris Holdings Group, is known for its commitment to innovation and excellence. We foster a dynamic and collaborative work environment where creativity and expertise thrive. Join us and contribute to our mission of shaping the future of advanced antenna technologies.</p>  |
| 2. REQUIREMENTS                                    |   |
| <b>Minimum education (essential):</b>              | Diploma, certificate, or associate degree in Mechanical Engineering Technology, Mechatronics, or related field.   |
| <b>Minimum applicable work experience (years):</b> | 3 or more years   |
| <b>Required nature of applicable experience:</b>   | <p>Experience in a product development lifecycle, from concept to prototype.</p> <p>Ability to use 3D printing equipment and additive manufacturing tools.</p> <p>Understanding of materials science (metals, plastics, composites).</p> <p>Knowledge of pneumatic, hydraulic, or electromechanical systems.</p> <p>Experience within the Defence industry as well as with certification processes would be an advantage.</p>   |
| <b>Computer literacy (essential):</b>              | <p>MS Excel (Advanced)</p> <p>MS Word (Advanced)</p> <p>eDrawings</p>   |
| <b>Computer literacy (suggested):</b>              | Microsoft Dynamics NAV  |
| <b>Language proficiency:</b>                       | English   |
| <b>Other requirements:</b>                         | <ul style="list-style-type: none"> <li>• <b>Communication skills:</b> must be able to communicate with clients of all backgrounds and educational levels. Well-developed written and verbal communication skills are must-haves</li> <li>• <b>Organizational skills:</b> must be comfortable juggling numerous projects, on- and off-site meetings, and deadlines</li> <li>• <b>Time-management skills:</b> must understand how to prioritize their time. Individuals who work in this field must be comfortable managing a calendar and adjusting their schedule as needed.</li> <li>• <b>Drive and self-motivation</b> are goal-oriented and commission-driven. Professionals who have drive and motivation will push themselves to succeed.</li> <li>• Proficient in mechanical assembly, fitting, and fabrication techniques.</li> <li>• Comfortable working from technical drawings and CAD models (SolidWorks, Inventor, or similar).</li> <li>• Familiarity with basic electronics and instrumentation is a plus.</li> <li>• Strong problem-solving skills and attention to detail.</li> </ul> |

3. KEY PERFORMANCE AREAS, WEIGHTS AND TASKS

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|--------------------------------|--|--|
| <p><b>Responsibilities</b></p> |  | <ul style="list-style-type: none"> <li>• <b>Prototype Assembly &amp; Modification</b><br/>Assist engineers in the assembly, modification, and debugging of mechanical prototypes, test fixtures, and custom test rigs.</li> <li>• <b>Machining &amp; Fabrication</b><br/>Perform precision machining and fabrication tasks to produce mechanical components that meet R&amp;D requirements; ensure high-quality workmanship and adherence to design specifications throughout the prototyping process.</li> <li>• <b>Technical Interpretation</b><br/>Read and interpret mechanical drawings, CAD models, and technical documentation to perform tasks with accuracy and attention to detail.</li> <li>• <b>Design &amp; Testing Support</b><br/>Support the development, assembly, and testing of mechanical components and assemblies, including antenna housings, mounts, and precision fixtures.</li> <li>• <b>Test Execution &amp; Data Collection</b><br/>Set up and conduct mechanical and environmental tests, accurately record results, and report findings to engineering teams.</li> <li>• <b>Troubleshooting &amp; Diagnostics</b><br/>Identify, diagnose, and resolve mechanical issues during prototype development and testing phases.</li> <li>• <b>Design Iteration Collaboration</b><br/>Collaborate closely with design engineers to provide feedback and contribute to iterative design improvements based on testing outcomes.</li> <li>• <b>Workshop Maintenance &amp; Safety</b><br/>Maintain R&amp;D workshop equipment, ensure calibration of tools, and enforce compliance with safety protocols and defence industry standards.</li> <li>• <b>Experimental Setup &amp; Instrumentation</b><br/>Support the setup of test benches, experimental rigs, and instrumentation, including integration with data acquisition systems.</li> <li>• <b>Material Sourcing &amp; Inventory Management</b><br/>Manage inventory of mechanical parts, fasteners, raw materials, and supplies; coordinate with procurement for R&amp;D-specific materials and tools.</li> <li>• <b>Documentation Contribution &amp; Redlines</b><br/>Contribute to the creation and improvement of assembly instructions, test procedures, and work instructions; provide redlines and feedback to ensure clarity, accuracy, and manufacturability of documentation.</li> </ul> |
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