

## VACANCY

**Position** : Mechanical Engineer  
**Business unit** : Hensoldt Radar  
**Location** : Cape Town

---

The purpose of this role is to lead the mechanical engineering of radar products through all life stages, from development through production and during the support phase. The incumbent will design, maintain and improve the mechanical aspects for radar projects by applying relevant engineering design and development sciences to accomplish product features according to business and market needs. To perform engineering analysis, problem solving, innovation and design work within project teams against the back-drop of system acquisition principles and product life cycle requirements to ensure business success.

### Qualifications

- B.Eng Mechanical
- M.Eng will be advantageous

### Knowledge and experience required

- 5-8 years design experience
- Experience in leading a team of mechanical engineers and technicians.
- Mechanical design for defence electronic systems, structures, and components.
- Simulation and analysis of strength and thermal properties of mechanical structures.
- Experience in Finite Element Analysis (FEA), stress, vibration, shock, etc.
- Experience in thermal / flow analysis and simulation.
- Experience in Computational Fluid Dynamics (CFD), electronics cooling, liquid cooling, etc.
- Involvement in integration and assembly processes.
- Experience in industrialization and production will be highly advantageous.
- Management of design projects and teams.
- Involvement in the systems engineering process.
- Mechanical design of structures and systems.
- Knowledge of mechanical CAD tools.
- Experience in industrialization and production of mechanical parts and components.
- Familiar with engineering processes and standards in a defence environment will be beneficial.

### Key technical skills required

- Mechanically creative and innovative in order to derive the most efficient and cost-effective design solutions during product development.
- Have a fundamental knowledge of mechanical engineering disciplines and design principles related to the Business Unit portfolio and the defence industry.
- The ability to utilise engineering tools, simulation and rapid prototyping to support and validate designs.
- A good understanding of configuration management and change control.
- The ability to write technical documentation, including requirements specifications and technical reports.
- A good understanding of industry capabilities and manufacturing techniques, including milling, turning, sheet metal and welding.
- Proficient in Solid Edge, including assembly design.
- Knowledge of CREO will be highly advantageous.
- Design and innovation skills are required for engineering tools, simulation, and rapid prototyping.

### Key responsibility areas

- Develop and design mechanical engineering of radar products through all life stages, from development through production and during the support phase.
- Manage availability of software tools and licenses and arrange for annual maintenance payments.
- Oversee mechanical engineering during the establishment of requirements, concept and detail design, prototyping, verification of compliance and transition into production.
- Fit-for-production data packs, representing qualified compliance designs, are to be delivered and maintained.
- Plan and coordinate timeous execution of mechanical engineering activities.

### Ideal behavioural competencies

- Customer service and market orientation
- Teamwork
- Collaboration
- Quality commitment and work standards
- Technical mastery and continuous learning
- Accountability and ownership
- Attention to detail
- Process capability

HENSOLDT South Africa focuses on diversity, equity and inclusion in our organisational strategy. We are committed to building a diverse and inclusive corporate culture to the benefit of our employees and to deliver better outcomes for our clients. In line with our commitment to employment equity and our focus on diversity in the operational environment, we welcome applications from all ethnic groups. In line with HENSOLDT's commitment to employment equity and our focus on diversity in the operational environment, preference will be given to suitable candidates from designated groups.

Interested candidates may apply by submitting their resume to the address below, with reference to the position in the subject line

Applications can be sent to Cymondi Stassen at [recruitment@hensoldt.net](mailto:recruitment@hensoldt.net)

Should you not be contacted within 14 days after the closing date, please regard your application as unsuccessful.

---

### About HENSOLDT South Africa

**HENSOLDT South Africa is a pioneer of technology and innovation in defence and security electronics. The company offers a comprehensive range of products, systems and services across defence and civil markets, from spectrum dominance, optronic and radar, to IFF, datalinks and integrated security solutions. With more than 800 South African employees across three sites in South Africa, it is the HENSOLDT Group's largest industrial base outside of Europe and one of the largest defence and security electronics companies in South Africa.**