

WE'RE HIRING

MECHANICAL ENGINEER

Employment Opportunity at CUBECOM

Employment Type: Full-time

Location: Stellenbosch, Western Cape

Date: 11 September 2026

JOIN A FAST-GROWING COMPANY IN THE SPACE INDUSTRY

CUBECOM designs, develops, and manufactures advanced RF communication systems for satellite applications. We specialise in high data rate communication solutions, delivering end-to-end capabilities across a range of products, including antennas, transmitters and ground support equipment.

As we enter an exciting scale-up phase, we are seeking a Mechanical Engineer to play a key role in the development of space-qualified hardware.

ROLE OVERVIEW

You will be responsible for the mechanical design, analysis, and qualification of components and assemblies for satellite communication systems. This role requires a hands-on engineer with a strong analytical capability and experience in designing for demanding environments. You will also contribute to technical decision-making and improve engineering processes.

KEY RESPONSIBILITIES

- Design and develop mechanical components and assemblies for satellite communication systems
- Create detailed 3D CAD models and manufacturing drawings
- Perform structural (FEA), thermal, and vibration analysis for harsh environments (rocket launch and space)
- Support environmental qualification testing (vibration, thermal vacuum cycling, etc.)
- Analyse test data and produce detailed engineering reports
- Collaborate with manufacturing teams and suppliers to optimise producibility and cost
- Contribute to design reviews and engineering best practices
- Provide technical support to cross-functional teams (e.g. design and development, sales and marketing)
- Support efforts to improve mechanical product quality standards, including working with suppliers to address quality issues.

MINIMUM REQUIREMENTS

- South African citizenship or valid work permit.
- BEng / BSc Eng / MEng / MSc in Mechanical, Mechatronic or Aerospace Engineering
- 2+ years of relevant mechanical design experience
- Proven experience in mechanical CAD modelling and engineering drawings
- Strong background in structural (FEA) and/or thermal analysis, including experience with tools.
- MS Office suite

PREFERRED EXPERIENCE

- Experience in aerospace, defence, or high-reliability industries
- Exposure to RF or antenna systems (advantageous)
- Familiarity with environmental qualification (vibration, shock, thermal vacuum)
- Experience designing for harsh environments
- Knowledge of relevant standards (e.g., ECSS, MIL-STD)
- Experience working with precision manufacturing processes (CNC machining, etc.)
- Exposure to product lifecycle management and change management processes
- Exposure to systems engineering concepts

TECHNICAL SKILLS

- CAD (e.g. SolidWorks / RhinoCAD / SolidEdge, etc.)
- FEA tools (e.g. ANSYS / Abaqus, etc.)
- Engineering analysis and problem-solving
- Design for manufacture and assembly (DFMA)
- High-quality report writing.

PERSONAL ATTRIBUTES

- Strong attention to detail and quality
- Eagerness to take ownership and accountability
- Effective professional communicator and team collaborator
- Proactive and solutions-driven mindset
- Effective time management and planning of responsibilities

WHAT WE OFFER

- Opportunity to work on cutting-edge satellite technology
- A collaborative and highly skilled engineering team
- Exposure to full product lifecycle (design -> qualification -> production)
- Growth opportunities within a scaling company
- Competitive, market-related salary
- 25 days annual leave
- Daily lunch provided

HOW TO APPLY

Application Requirements: Please send cover letter and comprehensive CV including relevant academic results.
Email: careers@cubecom.space

ADDENDUM TO JOB SPECIFICATION

IN RESPECT OF EMPLOYMENT AGENCIES

Should the same applicant be recommended by more than one agency, the agreement with the agency which first sent through his/her CV will be honoured. The above statement will only apply if we have advertised a position and requested (in writing) an agency to submit CVs. Only candidates who have been interviewed and referenced by the agent for this specific vacancy will be considered by CUBECOM, i.e., submission of a CV only, in response to an advert, is not considered sufficient.

FOR APPLICATIONS NOT APPLYING THROUGH AND EMPLOYMENT AGENCY

Please advise where/how/from whom you learnt of the vacancy. If you do not receive a response within 3 weeks, please accept that your application has been unsuccessful. Regrettably, correspondence will only be with those being interviewed.

ABOUT US

CUBECOM's roots lie in Etse Electronics that was founded in 1997. In 2016, we joined the Alphawave Group which shifted our focus towards design and support of RF Communication Products for Space Satellites. Our company is in Techno Park, an important engineering hub in Cape Town, nestled in the heart of the Stellenbosch Winelands region and only 20 minutes' drive from the closest beach.