

VACANCY

SENIOR DESIGNER: RF & MICROWAVE

Reutech Radar Systems is a radar development company located in Stellenbosch. We develop radar systems and subsystems for the defence, security and mining industries, both locally and internationally. As part of the hardware development team, our RF engineers take part in high spec designs using the latest technology, finding solutions to challenging design problems with tight space and power constraints – pushing the boundaries of their creativity.

MAIN RESPONSIBILITIES

- Design RF & Microwave subsystems such as power amplifiers, low phase noise synthesisers, upconverters, low noise receivers, radar front ends, antennas and filters, to be implemented on Printed Circuit Boards, in waveguide or as coaxial components – as part of a multi-disciplinary project team.
- Implement, measure and evaluate prototype or production-ready designs.
- Assist with industrialisation of prototype designs.
- Support the system engineer with technical expertise.
- Participate in system-level or conceptual design.
- Act as RF element leader in a project team.
- Arrange and participate in design reviews.
- Prepare and maintain documentation such as specifications, design datapacks and test procedures.
- Provide/contribute to discipline-specific internal training where applicable.
- Provide mentorship and technical guidance to other members of the discipline, including interns.
- Assist with the technical aspects of the company proposal/quotation generation process for marketing and sales.
- Initiate and/or participate in the establishment of critical technologies/capabilities in the company.

QUALIFICATIONS & SKILLS REQUIREMENTS

- A minimum of a three-year degree with honours or four year degree in RF Engineering, or Higher Education Engineering Diploma/Degree with demonstrated prior learning based on industry experience.
- A post graduate degree in engineering (MSc/MEng/PhD) is preferred.

- At least 8 years' experience in RF & Microwave engineering, with relevant exposure to design and implementation, design methodologies, design baseline management, system engineering aspects, configuration management, quality assurance, relevant technologies and tools of trade.
- Antenna design experience will be advantageous.
- Strong analytical design approach.
- Experience with schematic capture and PCB layout tools (Altium Designer preferred).
- Experience with the following software will be advantageous: Microwave Office, CST, LT Spice, Matlab/Python, DOORS.
- Experience with test equipment (e.g. oscilloscope, spectrum analyser, vector network analyser, power meter, noise figure analyser, phase noise meter).

COMPETENCIES

- Be technically competent in RF & Microwave Engineering
- Be proactive
- Be a team player
- Have good communication skills (written and spoken)
- Be fluent in English
- Be highly motivated and energetic
- Have the ability to work under pressure
- Be goal and milestone orientated
- Have excellent planning skills
- Have creative problem solving skills
- Have tolerance for ambiguity

Should you be interested and meet the requirements, please submit your application to Monique van der Walt at careers@reutech.co.za

Should you not receive any feedback within 2 weeks from submitting your application, please consider your application as unsuccessful.

The company reserves the right to cancel or amend a vacancy as advertised.

