

## VACANCY

### Senior Development Technician: Electrical and Power Electronics

A vacancy exists at Reutech Radar Systems, for a Senior Development Technician: Electrical and Power Electronics reporting.

#### Purpose of the Position:

- The purpose of this position is to execute and support technical tasks (in engineering, integration, test and maintenance) of the specific engineering competencies for projects executed within the Development Department at RRS, with particular emphasis on electrical power and control subsystems.

#### Experience and Skills Requirements:

- A BTech degree in electrical power systems (light current) or a diploma in electrical engineering with demonstrated prior learning based on industry experience
- Typically 10 years' experience within the specific engineering discipline
- Professional registration with ECSA
- Understanding of configuration management principles and engineering change process
- Exposure to system qualification testing will be an advantage

#### Technical Skills Requirement:

- Knowledge of IEC standards for electrical safety and design
- Current or previous IPC-A-610 and IPC/WHMA-A-620 certification
- Engineering discipline-specific tools of trade
- Electrical wiring diagram design and capture (e.g. Altium)
- Planning, estimating and scheduling of tasks
- Ms Office (Word, PowerPoint, Excel...)

#### Duties and Responsibilities:

- Design, implementation, testing and integration of electrical subsystems
- Design, implementation, testing and integration of system power supplies incorporating solar, battery and generator subsystems
- Design, implementation, testing and integration of power distribution subsystems
- Design, implementation, testing and integration of control subsystems/Programmable Logic Controllers
- Generation of specifications and acceptance test procedures
- Interpretation of supplier specifications

- Knowledge of cabling, harnessing and connectors
- Execute system qualification tests
- Fault-finding and repair of electrical and power electronics subsystems
- Support off-site system testing
- Planning, estimation and scheduling of tasks
- Assist and generate necessary engineering documentation related to the work being executed;
- Assist with the procurement of “procured” and “fabricated” items
- Ad hoc technical support for projects
- Ad hoc support for industrialization of new designs
- Participate in project technical reviews
- Contribute to the upkeep and maintenance of the common laboratory area, equipment and design tools
- Share knowledge with the other members of the discipline
- Provide mentorship and technical guidance to other members of the discipline
- Ensure that RRS Processes, Procedures and Standards relating to the discipline of engineering are upheld in the execution of the projects
- Assist with the identification and management of “Tools of Trade” related to the specialization/discipline, including design software, equipment and facilities
- Assist with the continuous improvement within the engineering discipline and support company continuous improvement initiatives

**Competencies and Behaviours:**

- This person should demonstrate the following competencies and behaviours that are associated with outstanding performance in the role:
- Be technically competent in his/her discipline
- 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 oriented
- Have excellent planning skills
- Have creative problem solving skills
- Have tolerance for ambiguity
- Have flexible management and people skills

This description is a general statement duties and responsibilities and is a non-exhaustive list. Other duties may be assigned. If you are interested in this vacancy, please submit your CV to [Careers@reutech.co.za](mailto:Careers@reutech.co.za), by no later than 26 November 2018.