INTERNAL VACANCY

Senior Project Engineer

This position reports to the Engineering Manager: Systems Engineering and is based in Techno Park, Stellenbosch.

Main Purpose of the Job:

- Understand the Client need or problem
- Manage the investigation of possible solutions that could satisfy the need or solve the problem within the bounds of the Contract
- Manage the selection of the optimum solution that would both satisfy the need and further the company strategic objectives
- Manage the implementation the selected solution within the bounds of the contract and in accordance with the applicable National and International Standards and agreed Company processes and procedures.
- Identify and manage project technical risk.
- Establish and maintain the Project technical baseline

Main Responsibilities:

Note:
*Under certain circumstances, a **Project Engineer** may also be appointed to assist the **Senior Project Engineer** in the execution of the Responsibilities listed below.*
*For smaller projects, depending on the skill sets of available system engineering individuals, one individual may be tasked to fulfil both the **Project Engineer** and the **System Engineer - System Architecture and Radar Design** roles on the project.*

- Agree and define the system engineering process, life cycle stages and development plan for the project and document in a SEMP
- Establishing and managing the system technical baseline within the RRS Configuration Management system: - The system requirements - The system context and external interfaces

  - The system functional architecture

  - The system physical architecture and PBS

  - The system internal interfaces

- The system verification requirements and planning
- "Owning" and protecting the technical baseline against scope creep during the development phase of the product
- Managing system analysis and modelling as required
- Manage the investigation of alternative technical solutions as appropriate.
- Manage the development of the System internal Interfaces.
- Ensuring the product/system being developed complies with the technical baseline
- Ensuring the product/system being developed complies with all underlined applicable national and international Standards (in particular safety)
- Ensuring the Project documentation and qualification requirements are met according to the agreed RRS System Engineering Process and the contract and are under Configuration Management.
- Engaging with stakeholders both inside and outside the organisation.
- Interfacing with other system engineering staff to ensure that available expertise is utilised
- Interfacing with discipline-specific design specialists where required.
- Interfacing with the allocated *System Engineer – Architecture and Radar Design* (if allocated to the project) and the technology executives w.r.t. technology and architecture
- Providing technical leadership to the project development team and providing technical assistance to the team.
- Assisting the Project Manager with work planning, costing and scheduling

Qualifications and Skills Requirements:
- A three-year degree, honours or four year degree in an engineering discipline or
- Higher education engineering diploma with demonstrated prior learning based on industry experience
- Level of experience and skills as per attached matrix.
- Typically 10 years' experience within the specific engineering discipline
- Radar System background highly recommended

Technical Skills Required
- Requirements Management tool such as DOORS
- MSOffice

- Working knowledge of a Model Based System Engineering tool such as CORE, GENESIS or a SysML tool such as Enterprise Architect or MagicDraw will be an advantage.

Competencies:

We are looking for an individual with the ability to demonstrate the following competencies and behaviours that are associated with outstanding performance in the role:

1. Proactive
2. Team player
3. Communication skills (written and spoken)
4. Fluent in English
5. Highly motivated and energetic
6. Ability to work under pressure
7. Goal and Milestone oriented
8. Excellent planning skills
9. Creative problem solving skills
10. Tolerance for ambiguity
11. Flexible management and people skills
12. Mindful of the Customer's needs

Should you be interested and meet the requirements, please submit your application to Monique van der Walt at careers@reutech.co.za before 21 January 2020.

Should you not receive any feedback within 2-weeks from the advert closure date, please consider your application as unsuccessful.

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