

Job Description

Job Title: SENIOR Engineer - VSAT Project	Employer: Telikom Limited
Job Code: JD – SE-VSATP	Job Grade:
Department: Engineering Projects	Job Location: HQ/TL Rumana
Revision Date: 12/03/2024	Equal Employment Employer

Job Summary

As a Senior Engineer - VSAT Project, you will be responsible for leading the planning, execution, and maintenance of VSAT-based communication systems within Telikom engineering projects. This role involves designing, implementing, and optimizing satellite connectivity solutions, ensuring operational efficiency and compliance with technical standards. You will also collaborate with cross-functional teams, manage technical resources, and support the integration of VSAT networks with broader telecommunications infrastructure.

Main Duties and Responsibilities

- Lead the design, implementation, and testing of VSAT communication solutions within engineering projects.
- Ensure VSAT systems are optimized for performance, reliability, and compliance with industry standards.
- Conduct site surveys, network planning, and technical assessments to support project execution.
- Develop system architecture, network diagrams, and engineering specifications for VSAT installations.
- Oversee the configuration, commissioning, and troubleshooting of VSAT equipment, including antennas, modems, and RF components.
- Conduct regular performance evaluations to identify and resolve network inefficiencies and connectivity issues.
- Provide technical support for the integration of VSAT networks with terrestrial and wireless communication systems.
- Collaborate with project teams to ensure alignment between engineering design and business objectives.
- Develop documentation for system operation, maintenance, and network security protocols.
- Stay updated on emerging satellite communication technologies to enhance system performance and innovation.

Key Skills & Competencies

- **Satellite Communication Expertise** – Strong knowledge of VSAT technology, RF systems, and network optimization.
- **Project Management Skills** – Ability to manage multiple technical projects, ensuring timely completion.
- **Technical Problem-Solving** – Proficiency in diagnosing and resolving network performance issues.
- **Communication & Collaboration** – Ability to work cross-functionally with engineering teams, vendors, and stakeholders.
- **Network Security & Compliance** – Understanding of cybersecurity principles related to satellite communication.
- **Analytical Thinking** – Capability to evaluate technical risks, system requirements, and operational efficiency.
- **Software & Hardware Proficiency** – Familiarity with satellite modems, antennas, monitoring tools, and diagnostic software.
- **Leadership & Decision-Making** – Ability to lead engineering initiatives and provide strategic guidance.

Reporting Relationships

The Senior Engineer - VSAT Project reports to the CAN Projects Manager and collaborates with engineering teams, technical specialists, and external stakeholders NCD

Qualification/Experience/Attributes

- Bachelor's degree in Telecommunications Engineering, Electrical Engineering, or a related field.
- 5+ years of experience in satellite communication engineering, with a strong focus on VSAT networks.
- Expertise in RF systems, signal processing, and satellite network configuration.
- Hands-on experience with VSAT installation, commissioning, and optimization.
- Familiarity with network protocols, bandwidth management, and system troubleshooting.
- Strong background in project execution within telecommunications infrastructure.
- Ability to analyze network performance metrics and optimize connectivity solutions.
- Experience in collaborating with vendors, regulatory authorities, and cross-functional teams.

NOTE: This job description is not intended to be all-inclusive. Employee may perform other related duties as negotiated to meet the ongoing needs of the organization