

Satellite Communications Engineer

OPPORTUNITY

Ainira Industries is a privately held global engineering company that provides services across transportation, high technology, and security sectors. Our engineering capabilities ensure we deliver world-class, safe and sustainable solutions to projects around the world. The Company is currently seeking applicants for Satellite Communications Engineer for its growing Space and Defence division.

JOB DESCRIPTION

Reporting to the Program Manager Space and Defence, the Satellite Communications Engineer within the young and passionate Aerospace team at Ainira will be responsible for devising and integrating innovative solutions in both technical and systems engineering. You will join our team to support our multinational client in an upcoming large Low Earth Orbit satellite network project providing Global Communications Coverage.

Known in the industry for rapidly developing cost-effective solutions from the ground up, Ainira Industries believes in giving highly skilled engineers ownership of complex space and aerospace systems from start to finish, which offers them the satisfaction of moving from the simulation and design to hands-on working, building, testing and, ultimately, flying their creations.

You will bring to the table a deep understanding of aerospace manufacturing technology and the passion to develop high quality products in an agile and fast paced environment. You will need to ensure preventative maintenance schedules are adhered to. Upgrades to the site will require your project management skills.

You will need to be a qualified Electronics/Communication Engineer or RF Technician, and have experience with Satellite Gateway Operations, as you will need to provide hands on technical support as part of your role. You will be managing a small local team, but interacting with National and International Teams to ensure uptime is as close to 100% as possible.

You will have had exposure to SATCOM systems, be great at troubleshooting RF assemblies and gateway computer systems, plus have experience with various test equipment such as Signal Generators, Spectrum Analysers, and DVM's. You will also oversee other facility components such as HVAC, Fire Suppression and Power Systems.

RESPONSIBILITIES

- Must be detail-oriented and analytical, with an understanding of spacecraft subsystems, satellite communication systems, spacecraft operations and ground control systems
- Provide satellite operations technical analysis support on a spacecraft subsystem basis for Defence Support Program satellites
- Satellite ground station operations, training experience with satellite ground systems, missile warning/defence systems, and satellite command and control systems
- Troubleshoot electronic, electrical, and mechanical systems alongside technical team

- Assess evolving operational needs and requirements for ongoing system support
- Enhance existing architecture for improved efficiency and adaptability to changing demands
- Implement updates and upgrades while ensuring seamless integration with existing infrastructure
- Perform Satellite Communication Systems engineering duties as required
- Manage lifecycle and sustainment duties as required
- Work closely with both civilian and defence clients to understand and develop requirements
- Identify and mitigate risks to ensure system reliability
- Monitor and optimise system performance
- Coordinate interdisciplinary collaboration among engineering disciplines
- Ensure compliance with regulatory requirements
- TS/SCI/NV1 or equivalent Defence Security Clearance, or be able to acquire it in a short period of time

SKILLS and ABILITIES

- BSc/MSc in Electronics, Telecommunications, Aerospace Engineering or equivalent is required
- 5+ years of LAN/WAN Network Engineering and support experience installing, maintaining, configuring, and troubleshooting network equipment
- Working knowledge and understanding of network protocols (TCP/IP, UDP/IP, ICMP, SNMP), routing, and enterprise network communication
- Capable of working with multiple cross-functional teams in all project activities for multiple concurrent projects necessary for the successful commercial launch of new products
- Knowledge, understanding, and experience supporting cryptography devices
- Ability to collaborate in a team environment, and comfortable driving multiple initiatives at a rapid pace
- Capacity to write software code/programs (IT qualifications or hands-on expertise sought favourable)
- Proven high degree of initiative, creative problem solving, attention to detail, and calm under fire
- Outstanding communications skills a must, and desirable product development management skills
- Excellent computer and MS Office skills to report in a variety of formats

COMPENSATION

The Company offers a competitive compensation and benefits package.

APPLY

Click "Apply" below or use form in the Contact section – quote the reference number HR-SDA-0008. Only the shortlisted candidates will be contacted. Thank you for your interest.

Recruitment agencies, please note that no agency candidates will be accepted.