



COMPANY: e2E SERVICES LTD.

JOB REF: RES.002i

TYPE OF ROLE: PERMANENT

LOCATION: WELWYN GARDEN CITY, HERTFORDSHIRE & WILTSHIRE (as required)



Our Company

We have been at the forefront of innovation in the satellite communications industry for two decades, offering to all its stakeholders unrivalled expertise to design, develop and operate state-of-the-art solutions and systems, world-wide. Our portfolio of services and technology know-how covers the entire spectrum of any satellite communication project, from market opportunity sizing and end-user requirements down to ground network development, commissioning and operations. To both commercial and defence related domains, we also offer unique modular and agile technology to enable a more user-friendly and accessible use of satellite communication resources.

Innovation and ingenuity are the guiding principles of anything we do for our customers. Working with e2E requires a high level of dedication and personal motivation, commitment and a drive to continually seek to improve things but the results our Group has consistently achieved over the years, at personal and team levels, are outstanding and make e2E a great place to work.

Job Description

Our team is involved in establishing the requirements for UK's next generation of military satellite system and developing an open and flexible system architecture that brings together cutting edge technology and innovation from the military and commercial satellite communications sectors. Our team are also applying industry best practice to create responsive and agile satellite operations to support our military customers in the most challenging of environments.

We are expanding our team and are seeking a **Senior Communications Systems Consultant** to assist the requirements development, architectural design and modelling of satellite networks and of supported communications services.



The candidate will assist with establishing the requirements, high level system design and performance for advanced satellite communications networks and supported communications services.

Key Responsibilities

- Develop, manage and maintain satellite system requirements
- Carry out requirement decomposition, modelling and trade-off analysis to establish requirements for satellites networks based on end user needs
- Develop system and service architectures for next generation satellite networks, including model-based systems engineering
- Use industry best practice frameworks to guide service operations and integration within the wider enterprise
- Develop and maintain link budgets using basic and more advanced model-based techniques
- Undertake top-level capacity design and performance analysis of satellite communications networks and related communications services
- Contribute to the high-level system design of satellite network constellations including GEO, MEO and LEO satellites
- Simulation of satellite communications networks in support of the above
- Ensure network design adherence to appropriate standards and ITU regulations
- Attend, and constructively contribute to, meetings with e2E Satcom's customers and partners
- Undertake other appropriate duties as directed by e2E's authorised managers

Skills, Character and Experience

- Experience of working as an integral part of a highly focused Systems Engineering team
- Track record of taking full responsibility for the delivery of critical system components
- Evidence of being able to develop innovative and efficient solutions to defined problems whilst working within tight timescale and budgetary constraints
- Proven ability to produce clear, concise and unambiguous documentation confirming to applicable technical and quality standards
- Good customer-facing and communication skills with ability to produce and present clear, concise and unambiguous presentations to customers and other clients

Essential

- UK national (due to potential sensitivity of work to be undertaken)
- Security Cleared
- Graduate with a good Honours or Masters degree in a relevant subject (e.g. Electronics, communications). Equivalent qualifications and/or experience can be considered as an alternative.
- >10 years of experience of Systems Engineering of satellite communications networks
- Ability to establish network capacity and high-level architectural network requirements based on user needs
- Simulation and modelling of satellite networks in support of the above (including both space and ground parts of the network)

SENIOR SATELLITE COMMUNICATIONS



SYSTEMS CONSULTANT

- Good understanding and experience of satellite communications network system design for LEO, MEO and GEO systems
- Knowledge of the resources planning and delivery of communications services over satellite networks.
- Knowledge of the operating framework used by satellite communications / telecoms operators for service delivery (e.g. eTOM).
- Experience in design and assessing software, firmware and hardware solutions within an overall system design.
- Experience and knowledge of security architecture design principles and their application to system design.

Desirable

- Chartered Engineer or equivalent
- Experience of military satellite communications networks operating in stressed environments
- Experience and knowledge of Software Defined Radio Satellite Payloads and communications devices
- Experience with Software Defined Networking and Container technologies such as Docker and Kubernetes
- Experience with Network and Service Management technologies and developing SLAs

Salary

- Competitive salary dependent on skills/experience plus a growing list of Company benefits
- By submitting your CV/application you are consenting to e2E Group using and storing information about you for monitoring purposes relating to your application of future employment. This information will only be used by e2E Group.

e2E Group is committed to achieving workforce diversity and welcome all applications irrespective of social and cultural background, age gender, disability, sexual orientation or religious belief.

