

SENIOR SATELLITE COMMUNICATIONS SYSTEMS ENGINEER



COMPANY:	e2E SERVICES LTD.
JOB REF:	RES.031a
TYPE OF ROLE:	PERMANENT
PRIMARY LOCATION:	WELWYN GARDEN CITY, HERTFORDSHIRE
CLIENT LOCATIONS:	LONDON, WILTSHIRE (if/as required)



Our Company

e2E has been at the forefront of innovation in the space sector, specialising in satellite communications, for two decades, offering to all our world-wide stakeholders unrivalled expertise to design, develop and operate state-of-the-art solutions and systems. Our portfolio of consultancy 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 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 strive to improve – and the results consistently achieved over the years, at both personal and team levels, are outstanding and make e2E a great place to work.

Job Description

Our team is involved in establishing the requirements, design, capacity, performance and resource planning, verification and operation of satellite communications networks for both civil and military customers.

We are expanding our team and are seeking a versatile **Senior Satellite Communications Systems Engineer** to provide technical and commercial expertise to e2E's customers.



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The candidate will be responsible for undertaking a variety of communications systems engineering tasks on advanced satellite communications networks and supported communications services.

The successful candidate will benefit from interesting, varied and challenging work. In return, e2E require an excellent breadth of systems engineering knowledge and experience. Ideally the successful candidate is expected to have acquired some specialisms and so will be expected to demonstrate experience of many - although not necessarily all - of the following skills, experience and responsibilities.

Key Responsibilities

- Carry out modelling and establish and validate requirements for satellites networks based on end user needs
- End-to-end communications design and development incorporating RF systems, IP networks, OSS/BSS technology and development
- Requirements analysis and assessment of supplier solutions to meet communications systems requirements
- Communications system test strategy development and VV&T plan documentation and test execution in either ground or in-orbit test environments
- Ground segment engineering/terminal design and development
- Communications payload engineering design and test
- Preparation of concept of operations and service delivery documentation

Skills, Character and Experience

- Experience of working as an integral part of a highly focused team
- Good customer-facing and communication skills with ability to produce and present clear, concise and unambiguous presentations to customers and other clients
- Strong analytical skills, the ability to identify key issues and to solve day-to-day challenges and issues
- Proven ability to develop innovative solutions to defined problems

Essential

- Minimum of 5-10 years relevant experience
- Graduate with a good Honours or Masters degree in a relevant subject (e.g. Space System Engineering, Electronics, Communications); equivalent qualifications and/or experience can be considered as an alternative
- Experience in satcoms systems engineering with a knowledge of system design, ground segment design, satellite operations and payload engineering
- Experience in IP networking, protocols and security of data
- Thorough understanding of communications systems and associated engineering concepts
- Strong practical knowledge of systems engineering practices from requirements engineering through design/development and on to VV&T
- Experience in developing requirements systems design documentation, test plans and procedures and operational procedures



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- Knowledge of software development environments, languages and methodologies
- Proven track record of identifying and solving problems

Desirable

- Chartered Engineer or equivalent
- Practical experience in the commissioning and testing of satellite systems (satellite and ground based)
- Familiarity with OSS/BSS technology and the use in management and reporting of communications networks
- Experience in assessment/development of security architectures in a communications systems and/or military communications networks
- Experience of software development environments, languages (Python, Java) and methodologies (Agile, DevOps)
- Knowledge of optical, 5G and/or Quantum technologies

Salary

- Competitive salary package 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.

