



RF & TERMINAL CONSULTANT

COMPANY: e2E SERVICES LTD.
JOB REF: RES. 012
TYPE OF ROLE: PERMANENT
LOCATION: West of England and London



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 procuring cutting-edge technology and innovation from the military and commercial satellite communications sectors. Our team is helping our customer procure the next generation of military Land and Maritime terminals and managing the integration of these systems on platforms for use in the most challenging of environments.

We are expanding our team and are seeking a **RF & Terminal Consultant** who will support our clients in the military and governmental sectors, providing technical and procurement advice on the latest terminal offerings from both the military and commercial satcom markets. The person will have >10 years of experience of designing, developing, procuring and integrating such systems.



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The incumbent will be required to provide technical leadership and support on various e2E activities and programmes, particularly with respect to RF systems and hardware developments.

Key Responsibilities

- Technical lead on key e2E programmes.
- Develop and maintain system link designs.
- Undertake top-level design of communications systems.
- Carry out modelling and simulation of communications systems.
- Technical lead and overseeing of system, hardware and software design and development activities
- Oversee design and layout of communications hardware.
- Oversee procurement and sub-contract of design and manufacture of systems and sub-systems.
- Ensure compliance to appropriate standards and regulations.
- Constructively contribute to, and otherwise support, the development of other associated elements and activities.
- Attend, and constructively contribute to, meetings with e2E Satcom's customers and partners (including, but not limited to, the European Space Agency).
- Undertake other appropriate duties as directed by e2E's authorised managers.

Skills, Character and Experience

- Proven ability to work as an integral part of a highly focused team
- Proven ability to take full responsibility for the delivery of critical system requirements and components
- Proven ability to develop innovative and efficient solutions to defined problems
- Proven ability to work within tight timescale and budgetary constraints
- Proven ability to produce clear, concise, and unambiguous documentation conforming 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

- Graduate with a good Honours or Masters degree in a relevant subject (e.g. Electronics, communications). Equivalent qualifications and/or experience may be considered as an alternative.
- Good knowledge of satellite communications systems design
- Experience of ground terminal design, development, and test
- Sound understanding of digital modulation techniques
- Understanding of digital signal processing
- Good understanding of access technologies and signalling protocols
- Experience of RF circuits, RF systems design and test
- Experience of antenna design and propagation
- Detailed understanding of communications link budget analysis and design



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Desirable

- Signal processing knowledge and DSP experience
- Knowledge of FPGA programming
- RF Interference analysis and management
- General systems engineering knowledge and experience
- Satellite payload design, including digital payload and signal processing
- Experience with specialised analysis, simulation, and design tools
- Familiarity with ECSS standards and processes

Salary

- Competitive salary dependent on skills/experience plus a growing list of Company benefits
- Please apply by sending your CV to recruitment@e2egroup.co.uk
- 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.

