



Satellite Communications Systems Engineer Job Specification

Job Title:	Satellite Communications Systems Engineer
Job Reference:	TSD.JSP.004
Location:	Welwyn Garden City (with potential work at customer sites in London, the South West and elsewhere).
About e2E	<p>e2E are a dynamic, innovative and growing space-sector Company offering industry leading consultancy and who are currently embarking on the launch of game-changing products and services; e2E's mission is to make satellite-enabled coverage accessible to everyone.</p> <p>e2E have an impressive history in satellite communications consultancy, engineering and development that underpins our exciting diversification programme.</p> <p>e2E now needs new, experienced and highly flexible team members who have a genuine interest in the space sector, who wish to be involved in a pioneering organisation and who relish the opportunity for diverse experience.</p>
Type of Role:	Full time, permanent.
Key Objectives:	<p>Within our established technical services consultancy division we are seeking a Satellite Communications System Engineer: this is a wide-ranging technical role and primarily involves supporting our global industry-leading clients within the commercial and defence satellite telecommunications sector with engineering design, technical support and advice. The successful candidate will be responsible for undertaking communications systems engineering tasks to support the Company's consultancy, technical studies and systems design activities: this will involve a wide variety of tasks ranging from analysis to end-to-end satellite systems engineering and design to organising test campaigns and service performance. The successful candidate will also gain experience in aspects of project management as part of the responsibilities detailed below and will have the opportunity to be involved in full system life-cycle activities in addition to the potential opportunity of involvement with in-orbit payload test activities.</p>



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Responsibilities:

The role responsibilities are detailed below; responsibilities may be tailored to those of the successful candidate. Please also refer to the attached person specification.

- Providing support through all phases of system / product development, with a focus on ground segment engineering, including: requirements definition and engineering, design of new systems / equipment, trade-off analysis, sub-contractor management, prototyping, integration and test, handover and transition to operations;
- Communications Payload Engineering (including understanding of digital payload design);
- Advising customers on the definition and design of satellite communications systems, including RF and digital communications;
- Providing technical consultancy services to e2E's client base and to make technical representations both within and outside of the Company;
- Participation in relevant operations and procurement (when necessary) reviews and meetings;
- Coordination, planning and implementation of Ground and Satellite Operations for system-wide operations;
- Experience of capacity and coverage planning, ideally with knowledge of link budget analysis and transmission planning;
- Development of design and analysis toolkits for modelling and simulation of end-to-end system performance;
- Potential to be responsible for validation, verification and in-orbit test activities.
- Maintain awareness of technology trends and assist in the development of new products and services.
- Aspects of technical pre-sales and project management (e.g. providing task estimates and progress information to team leaders and the project/program managers).

Salary:

- Circa £45,000-£50,000 dependent on experience/qualifications plus benefits.