



## SENIOR SYSTEMS ENGINEER - SATELLITE PNT

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**COMPANY:** e2E SERVICES LTD.

**JOB REF:** RES.025

**TYPE OF ROLE:** PERMANENT

**LOCATION:** WELWYN GARDEN CITY, HERTFORDSHIRE & CORSHAM, WILTSHIRE



### **Our Company**

We have been at the forefront of innovation in the satellite communications industry for two decades, offering to all our 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 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**

The Space Based Positioning, Navigation and Timing Programme is a major new UK Government programme launched by the UK Space Agency in October 2020 to explore innovative ways of delivering vital satellite navigation and timing services to the UK from space. Positioning, Navigation and Timing (PNT) satellite signals from space are increasingly crucial to our daily lives. These services underpin a wide range of essential UK public amenities, Critical National Infrastructure (CNI), National Security, defence interests and the wider digital economy. This role is for a potential opportunity to support the UKSA in evaluating the Space Based PNT concepts as part of an overall System of System, incorporating both satellite and terrestrial elements and establishing the requirements. We have a



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requirement for a Senior Systems Engineer, with experience working on satellite based PNT capabilities, to join our team.

### **Key Responsibilities**

Working as part of a Government and mixed Commercial team that will:

- Evaluate Space Based Position, Navigation and Timing (PNT) concepts and assess if they meet the user's requirements.
- Characterise how Space Based PNT should form part of a System of Systems, comprising both space and terrestrial components.
- Analysing the mission/ system architectural design including space segment, ground segment, launch strategy and the full lifecycle factors.
- Define the future requirements for the UK sovereign Space Based PNT capability.

### **Skills, Character and Experience**

#### Essential

- Experience working on satellite PNT design, development, delivery or operations.
- Appreciation of all Satcom elements including Space, Ground and User segments.
- UK National.
- UK Security Cleared or ability to be security cleared.
- A University degree or equivalent in a maths, science or engineering subject.
- Ability to participate and work as an integral part of a highly skilled and focused team.
- Evidence of being able to work 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.

#### Desirable

- Understanding of the PNT characteristics and constraints of GEO, MEO and LEO constellations.
- Experience working for a Government organisation.
- Familiarity of Cost scheduling and risk estimation.
- Knowledge of terrestrial based PNT technologies and solutions.
- Satellite launch strategies and options.

### **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.

*Agility in Communications*

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