



Senior Engineer (Systems)



Location
Chertsey

Status
Permanent

Hours
37.5

Vacancy Number
P0232

Job Purpose

We are looking for a highly experienced and enthusiastic Senior Systems Engineer to assist our growing Systems function across a diverse range of projects. You will be initially involved in the definition and delivery of complex systems involving specialist sensors, electronics and signal processing firmware and software to C4ISR customers.

Taking an active role that spans the breadth of the systems development lifecycle, you will be involved in planning and executing system design and development, system and sub-system implementation as well as integration and testing, and will help gain customer acceptance ensuring all design requirements are met. This will involve generating and reviewing system design artefacts, hands on involvement with system integration and qualification, and participation in key meetings and design reviews.

The work is predominantly related to sensor and communications networked systems but also includes sensor processing and soldier-worn combat systems. Currently, the work covers Land Systems but has the potential to evolve into other associated domains and other product lines in the future.

Reporting to: Principal Engineer (Functional Lead Systems)

What you'll do

- Undertake design activities at the equipment, system and software levels.
- Meet technical requirements through all phases of design, integration and leading to customer acceptance.
- Develop and review technical documentation to support project development and deliverables, including test plans, specifications and procedures.
- Undertake testing and qualification activities throughout the project.
- Identify project technical risks and opportunities.
- Attendance and input to project design reviews with customers.
- Involvement with acceptance events at factory and external sites.
- Involvement in the safety, reliability and through-life support of products.
- Support the business development by assisting preparation of technical proposals & solutions.
- Foster good working relationships with suppliers and customers.
- Supporting the research and development of products within the Company, improving engineering quality, efficiency and cost.



What you'll need

- Track record of delivering complex system design, implementation, test and integration in the defence (or similar, highly regulated) domain.
- Experience of full system lifecycle, design, development, testing, integration and acceptance.
- The ability to analyse and specify system acceptance requirements.
- Understanding of network technologies.
- Appreciation of complex electronics and firmware design principles.
- Strong technical knowledge of military-grade COTS communication and sensor systems.
- Have a high level of both verbal and written communication skills providing regular communications to internal and external stakeholders, customers and suppliers.
- Experience of Model Based System Engineering (desirable)
- Experience of Windows and Linux Operating Systems (desirable).
- Appreciation of modern software design techniques and languages (e.g. C++, Java, C#) (desirable).
- Signal & image processing knowledge (desirable).
- Member of a Professional Engineering or Science Institute (desirable).
- Experience of agile or spiral development lifecycles (desirable).
- At least a BSc Degree in Engineering, Maths or Science subject or equivalent experience.
- Sole UK National.
- Ability to attain DV or SC UK Security Clearance.
- Full driving license.
- Ability to ad-hoc travel within the UK

What you'll get

- **Full engineering lifecycle with optional career path:** Choose the direction of your career
- **Paid overtime or time off in lieu:** Gain up to 24 additional paid days off per year or boost your salary with an authorised single-time overtime
- **Flexible working:** We operate around the core working hours of 09:30 – 12:00 & 14:00 – 16:00
- **Role-specific allowances:** Subject to individual projects and roles.
- **Holiday entitlement:** 24 days per annum, plus public holidays. These are pro rata for part-time roles. A Christmas closedown occurs for most roles from 24th December – 2nd January, utilising your holiday entitlement.
- **Pension scheme:** 14% total pension made up of 7% contribution from the Employer, matched with 7% from the employee
- **Private medical care:** Access a network of 50+ private clinics and hospitals nationwide
- **Training and upskilling:** We are committed to your continuous personal and professional development meaning that you have the opportunity to gain additional skills and qualifications
- **Monthly Payment Schemes:** Save money on a new bicycle and cycling accessories and get fit too!
- **Company tech:** Salary loans to purchase laptops, mobiles, and home office equipment



- **Relocation package:** Available to selected candidates needing to relocate within easy travel distance of one of our offices - In line with HMRC guidelines - spend less time travelling and more time living

Why Drumgrange?

As a small-medium enterprise, we benefit from having a flat organisation structure with only a few levels between a junior role and a department head, so you can spend more time with technical application and less time wrangling with red tape. It also means that your voice is heard and there is plenty of opportunity for you to make a meaningful impact upon the business.

Roles here present fantastic opportunities to be involved across the whole design lifecycle, and with such a wide portfolio of products and capabilities, you can expect varied and career-expanding work that takes you across different engineering domains and environments.

We welcome candidates from all backgrounds and particularly from sections of the community who are currently underrepresented within our industry, including women, ethnic minorities, people with disabilities and LGBTQ+ individuals. Please be aware that many of our roles will be subject to both security and export control restrictions. These restrictions mean that factors including your nationality, any previous nationalities held, and your place of birth may limit the roles you can perform in our organisation.

We also support our Armed Forces communities, reservists and cadets and are proud advocates. Any companies wishing to contribute and benefit from a relationship with these organisations please reach out to us or visit <https://www.armedforcescovenant.gov.uk/show-your-support/sign-the-covenant/>

How to Apply

If you are interested in this role, please apply through our website. Alternatively, send your CV with a brief cover letter to careers@drumgrange.com, quoting the job title and the Vacancy Number in the subject header.

Career Progression

