



Engineer (Electronics)



Location
Portland or
Chertsey

Status
Permanent

Hours
37.5

Vacancy Number
P0233C/P

Job Purpose

As an experienced Electronics Engineer you will work within a team of skilled design engineers, to supply high quality products and systems to the Defence Industry. The successful candidate will be experienced in translating system requirements to innovative electronic design solutions, leading to successful customer acceptance within project timescales and budget.

Reporting to: Principal Engineer (Functional Lead Hardware)

What you'll do

- Responsible for the architectural and detailed design of electronics solutions to meet specifications.
- Working with other internal design functions and external suppliers to develop successful solutions.
- Consideration of design for manufacture and test to ensure smooth transition to production.
- Systems integration of solutions, including fault finding.
- Working with external test houses to demonstrate equipment complies with MoD and European standards, including CE / UKCA marking.
- Complying with all health and safety requirements and safe practices and procedures operated by the Company.
- Preparation of high-quality documentation and drawings associated with the development lifecycle (e.g. Bill of Materials, schematics and Change Notes,) and configuration in accordance with Company procedures.
- Assisting and liaising with project teams on electronic aspects of Products and Systems.
- Occasional offsite support to install and maintain products and systems.

What you'll need

- Electronics design ability in both analogue and digital design techniques: Low noise power supply and distribution circuitry, Analogue signal conditioning, Data acquisition topologies, Digital interfacing and control within an FPGA environment, Design for EMC Compliance.
- Ability in all aspects of electronics product design including: Implementing designs from specifications, Producing circuit designs in preparation for external artwork and subcontract manufacture, Design validation and verification at the circuit level, Awareness of Compliance and Qualification e.g. UKCA/EC, EMC,



Environmental, RoHS, Safety etc, An understanding of formal acceptance.

- Working knowledge of ECAD tools for circuit and PCB design (Cadence OrCAD desirable)
- Problem solving and fault finding down to component level.
- Able to work with internal and external stakeholders to develop solutions.
- Broad experience in the use of test equipment for evaluation and design validation, Digital Oscilloscopes, Spectrum Analysers, Function Generators, PAT

Testers, Digital Multimeters, Power Supplies. (Desirable)

- Ability to Multi-task and prioritise workload with a hands-on approach.(Desirable)
- Ability to obtain UK Security Clearance is essential.
- Full UK driving licence is desirable.
- Familiarity with Microsoft Office products is desirable.
- Strong communication skills both written and oral are desirable.
- Degree educated or equivalent qualification is desirable.

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

