

Electrical & Electronic Engineer

The Company

We are a pioneering business developing analytical instruments for customers in the energy, security and defence industries. Based in Surrey (UK), our location is easily commutable from throughout London; Berkshire; Surrey and Hampshire. A need has arisen for an experienced electrical/electronic engineer to join as a member of the product development team. This is an exciting opportunity for someone with the right background from the electronics or high-tech industry to join a dynamic company at a key point in its development.

UK residency is a must.

Package: Highly competitive salary, bonus, pension contribution and share options

Profile

We are seeking an engineer with extensive experience of designing and developing electronic hardware, analogue and HF circuits, and ideally a degree or equivalent in electronics or a related discipline.

The successful candidate should have at least 5 years industrial experience including some or all of the following:

- Generation of RF power for medical, industrial or scientific purposes
 - Closed-loop control of analog signals
 - Switch-mode power supply design, both low voltage and off-line
- Generation of high-voltages using switch-mode techniques
- High-speed digital design using FPGAs and standard logic families
 - Use of standard bus technologies such as PCI, PC104, I2C, CAN, RS485 etc.
 - Use of D/A and A/D converters in high-noise environments
- Good theoretical grasp of RF, control and feedback theory
- Schematic capture and PCB layout using Orcad or Allegro
- Use of embedded computers and microprocessors in complex real-time systems
- Practical circuit building/debugging and experience of using test equipment

The following specific skills are desirable but not 'must haves':

- Use of SolidWorks for mechanical packaging of electronic sub-assemblies
- General IT skills based on Microsoft Office
- Supervision of technician level staff

The successful candidate will possess the ability to work under pressure to tight deadlines in a fast-changing design environment, a positive attitude towards design and problem solving and a clear regard for safety in the workplace.