

Electronic & Electrical Test 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 testing and debugging electronic hardware, analogue and HF circuits, and ideally a HNC/HND/degree or equivalent in electronics or a related discipline. The successful candidate will be able to work under pressure to tight deadlines, have a positive attitude towards problem solving and a clear regard for safety in the workplace.

Required skills

The successful candidate should have at least 5 years industrial experience including the following:

- Able to troubleshoot analog and digital circuitry to component level.
- Familiarity with wide range of electronic test instrumentation.
- Able to repair and rework fine pitch surface-mount PCBs
- FPGA/VHDL coding and debugging
- Familiarity with programmable instrumentation and the ability to construct and program test fixtures using LabView or similar tools.
- Good written and spoken communication skills.

Desirable skills

- Familiarity with Orcad layout or similar package – able to make changes to circuits and layout under supervision.
- Familiarity with a programming language such as C/C++ or Java.

- Supervision of assembly technicians and operators.

Duties

- Documenting assembly procedures, test procedures and repair/refurbish procedures.
- Formulation of test plans for all types of entities, from single components, through PCB assemblies to complete systems.
- Testing/debugging new software versions.
- Support of field technicians and application engineers.
- Assisting with initial testing and debugging of new products and product variants.
- Building prototype instruments, test fixtures and in-house instrumentation.
- Assisting in solving manufacturing problems, e.g. sourcing suitable component alternatives, resolving software versioning issues.
- Configuration of new instruments, i.e. loading software, firmware and performing any necessary customization.