

IPEC Limited

Electronics Engineer



Job Title:	Electronics Engineer
Job Type:	Full Time
Location:	Manchester Science Park, Manchester
Education Level:	Masters Degree or equivalent
Salary:	Depending on experience

Company Information

www.ipec.co.uk

IPEC are experts in On-line Partial Discharge (PD) testing of MV and HV plants. Our research and development work has allowed the detection, location and analysis of PD to be economically implemented on a large scale, improving network reliability.

Based in Manchester, IPEC offer turnkey solutions for asset monitoring and testing. Our products range from simple to use instruments for routine spot testing, to sophisticated permanently installed systems.

The Role

We currently have a position for an experienced Electronics Engineer to join our development team based in Manchester. The ideal candidate will work alongside our engineers, on existing and new product based design projects. The primary role will be to strengthen our Development Team, working on existing and new product development. This is a small but expanding team looking for an energetic candidate with a wide breadth of experience.

Key Areas of Responsibility

This position will involve assisting in the solution of technical issues as an individual, or for more complex issues as part of a team. The key areas of responsibility for this role will include:

- Assist in the development of high-quality electronics schematic and PCB layouts.
- Contribution towards improvements in electronic circuit development process.
- Work closely with Mechanical, Software and Production teams throughout the design process.
- Undertaking comprehensive documented testing of electronic circuits.
- Root cause diagnosis of drive defects using bench test and measurement instrumentation.
- Follow up of root cause investigations working with R&D, Quality and Manufacturing teams to prevent further re-occurrence and improve the productivity.
- Improvement and development of the tools and methods used to diagnose and repair products.
- Liaising with both internal and external customers, interpreting and understanding customers' requirements.
- Responsibility for maintaining and developing own professional competence.

The Right Person

Required Skills

- Degree level in Electrical/Electronic Engineering or a similar technology-based discipline.
- Sound working knowledge of analogue and digital electronic circuitry.
- Good knowledge of electronics function principles and practices.
- Experience of diagnosis and fault finding on the electronics assemblies at component level.
- Excellent verbal and written communication skills, ability to professionally present ideas internally and externally.
- The ability to prioritise workload and achieve objectives and have a high degree of self-direction.
- Self-motivated, with the determination and dedication to complete projects to a high standard, and to tight deadlines.
- Competent in using test equipment (oscilloscope, signal generator, spectrum and logic analyser).
- Good Knowledge of low noise analogue and DC to DC converter design.
- Design of microprocessor/micro-controller based products.
- Experience in low power circuit design and battery powered devices.
- ORCAD schematic and PCB layout with upfront consideration for design to reduce EMI for EMC testing.

Desirable Skills

- EMC testing.
- FPGA technologies.
- Quality testing methodologies conforming to ISO standards.
- Knowledge of embedded operating systems.

Terms

Salary: Dependent on experience.

Benefits include: Company pension plan, share options, annual bonus scheme, flexible working and 25 days annual leave, plus bank holidays.

Applications

Interested candidates should apply in writing to jobs@ipec.co.uk.

Applications should include:

- A comprehensive and up-to-date CV.
- A covering email summarising your interest in the post and demonstrating your ability to match the criteria outlined.
- Details of your current salary and notice period.