

# Electronics Development Engineer

The image features a dark grey background with a large, flowing teal-colored swoosh that starts from the bottom left and curves towards the top right. The text 'Electronics Development Engineer' is positioned in the upper left corner, rendered in a white, sans-serif font.

# Electronics Development Engineer

Competitive salary and benefits package on offer, within an employee-owned organisation.  
Closing date: 18th of October 2021

## **Main purpose**

ABER is seeking an experienced Electronics Development Engineer to join our expanding R&D Team. The successful candidate will have application based experience, together with a sound theoretical background.

## **Duties to Include**

- Electronics design for PCB.
- Work closely with the engineering and design teams during concept and product development cycles.
- The ability to design and produce prototype instruments.
- Test the suitability of prototypes with responsibility for designing and implementing testing regimes to determine the device's characteristics and durability.
- Undertake and oversee the build of pre-production batches of parts to analyse the build process.
- Work with the Manufacturing team to train staff on new processes, such as delicate soldering, board programming and calibration.
- Support the Quality department to understand the quality requirements for new products and work with manufacturers to ensure that these standards are met.
- Work with our software team to automate existing processes, including the implementation of robotics and Cobots.
- Identify process problems and non-conformances in manufacturing processes and develop corrective actions.
- Set up and maintain products, BoMs and suppliers in our MRP system.
- Work within an ISO 9001 & 13485 environment.
- Work with the development team to identify and specify replacement parts and components for obsolete parts.
- Work with the wider team to identify and specify replacement parts and components for obsolete parts.
- Work with new product development teams to advise on the design for manufacture of new products, turning their build instructions into processes and procedures suitable for mass manufacture to be followed by our manufacturing department.

## **Knowledge, Skills and Experience Required**

### **Must have:**

- Degree or relevant HND in Electronics

- Experience in product and process Validation and Verification.
- Electronics design for PCB
- Experience of implementing Cobot solutions.
- Electronics assembly – surface mount
- Circuit problem solving abilities
- Attention to detail with good hand to eye co-ordination and manual dexterity
- Experience of sensors, controllers or motors.
- Ability to manage time effectively, prioritise tasks and achieve set targets working effectively independently and as part of a team.
- Excellent communicator
- Drive to deliver quality products
- Practical build skills and experience with workshop tools
- Computer literacy and proficiency in Microsoft office suite (Word, Excel, G Suite & Publisher)

**Desirable:**

- Understanding of CE/EMC compliance principles
- Firmware
- Familiarity with MRP
- Experience of electronic assembly within a cleanroom environment
- Expertise with statistical process control (SPC, CPK's etc.)
- Experience of specialist glues and adhesives
- Design for and programming of CNC
- Familiarity with high end engineering polymers
- Experience with injection moulded parts
- Medical device industry experience
- Experience of hands on and training of technicians on new processes

To apply please send a CV and Cover Letter by email to: [hr@aberinstruments.com](mailto:hr@aberinstruments.com)

# Aber employee benefits at a glance

As part of Aber's commitment to making the company a great place to work and to reward our employees for their contribution and hard work, we offer the following benefits.

1000 gifted shares on completion of probation period



ABER profit share



Flexible working



Peace of mind if you die in service  
(4x salary for your family)



Income protection scheme  
(75% of salary)



Opportunity to buy further  
ABER shares



20 days increasing to 26 days (UK based) holiday plus bank holidays with additional shutdown between Christmas and New Year



Opportunity to influence how the company grows and operates through an employee council.



ABER contributes 8% towards your pension scheme, while you contribute just 3%



Cycle to Work scheme

