



R&D DESIGN ENGINEER

LOCATION: ABERYSTWYTH, WALES **BASIS:** PERMANENT; FULL TIME **APPLICATION CLOSES:** 11/06/2019
JOB START DATE: ASAP **ELIGIBILITY:** YOU MUST BE ELIGIBLE TO WORK IN THE UK

THE ROLE

The Aber Instruments R&D team is looking to grow with the addition of an enthusiastic and innovative new member. Based in Aberystwyth, we're an employee owned company with 30 years experience making cell monitoring instrumentation for the brewing and biotech markets - visit our website to find out more about our employee owned ethos, history and product range @ www.aberinstruments.com. The company is an established, global market leader constantly working to innovate and expand our product portfolio, with bases in the U.K and the U.S.

As the company is expanding, our product range and workload is growing and we're trying to build a diverse team capable of delivering innovative designs for new products. You will be working with electronics engineers to package their designs & PCBs into user friendly enclosures that minimise RF emissions. You will also be designing accompanying probes that will be used in the food and medical environments so experience of designing for medical requirements will be important. We make our products using a variety of techniques, but all feature parts that are machined or injection moulded; design for injection moulding and overmolding especially would really help you hit the ground running. As we count many of the world's leading biotech and brewing companies as customers, attention to detail and quality is vital.

RESPONSIBILITIES

You will be responsible for the design of all the mechanical parts for the company, including supporting existing products. You will also be responsible for the sourcing of suppliers and working with our subcontractors to get the parts manufactured and delivered, so you'll need to be able to communicate your designs clearly to them to make sure we get the parts we need. You will also need to work with our production department to make sure that the products are easy to assemble and be involved in the process of handing over the designs to production.

On a day to day basis you will need to :

- Use SolidWorks to design new products to user requirement & functional specifications
- Use SolidWorks to support our existing product range
- Work with various departments to take products from concept designs through to final designs for production handover
- Design and make enclosures, probe parts and completed probes including electrode assemblies



- Design products with compliance in mind from the outset, particularly for medical device compliance, LVD and EMC
- Design jigs for assembling and calibrating products
- Use various prototyping techniques to type test new designs
- Write technical documentation including design specifications, sub-assembly to final product assembly procedures, test procedures/results, production build files, and user manuals
- Work within a ISO9001 and ISO13485 environment
- Support technical services and sales departments with technical issues when required

KNOWLEDGE, SKILLS & EXPERIENCE

Given the demanding and restrictive constraints of the medical sector we are looking for someone with experience of designing for this field who can directly transfer their knowledge into the company. You will need to:

- Have a good knowledge of manufacturing processes and be willing to learn about new materials and processes
- Have the ability to work across a number of varied sectors and projects
- Be an innovator who can turn ideas into practical design solutions with the ability to communicate these ideas clearly and precisely
- Be a good communicator within their own and other departments of the company.
- Demonstrate drive and enthusiasm for your work and enjoy working in a team and independently as needed.

BENEFITS

As an employee owned company we offer a unique benefits package which includes:

- 1000 shares in the company upon completion of your probation period.
- The opportunity to buy ABER shares
- Profit share
- Flexible working
- UWA sports centre membership
- 20 - 26 days holiday + bank holidays + shutdown over Christmas
- Opportunity to influence how the company grows through an employee council

To apply please send a CV and Cover Letter by email to: emma@aberinstruments.com