

# Electronics Engineer

ABER

# Service Repair Engineer

Competitive salary & benefits package on offer, within an employee-owned organisation.

## 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 - find out more about our employee owned ethos, history and product range by visiting our website - [www.aberinstruments.com](http://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.

We're embarking on a SMARTCymru funded project to advance our existing capacitance technology and we're looking for someone who is inquisitive and enjoys using physics, maths and electronics theory to solve real world problems. You will work as part of our R&D team alongside our electronics, mechanical and software engineers to develop scientific theory into practical solutions. 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 carrying out design and experimental tasks with the aim of designing, developing and proving circuit and system designs.

Your work on a day to day basis will involve:

- The design and implementation of electrical systems suitable for RF impedance spectroscopy
- Prototyping, testing, evaluating and troubleshooting designs
- Documenting your work and writing up test/progress reports
- Working with members of the project team to adapt measurement systems for use with cell culture in a laboratory environment

## Knowledge, Skills & Experience

Given the demanding time constraints of the project we are looking for someone with experience of designing and prototyping analogue circuits and systems who can hit the ground running. To achieve this you will need to have:

### Essential

- BSc/BEng in Electronics, Physics or a related discipline, with further education or experience in a relevant field.
- Knowledge of electronic circuit and system design, including analogue circuitry.
- Experience in experimental design and practical evaluation of hypotheses.

- Experience of prototype development and testing.
- Strong analytical ability and problem-solving skills.

#### Desirable

- Experience of systems design and evaluation, ideally of biological measuring systems.
- Background in Physics, Biochemistry or a related discipline, with further education or experience in a relevant field.
- Experience of wideband RF impedance spectroscopy.
- Ability to work well as part of a multidisciplinary team.

#### **Benefits**

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

- Profit share.
- 1000 shares in the company upon completion of your probation period.
- The opportunity to buy ABER shares.
- Death in Service (4x Salary).
- Income protection (75% of salary).
- Flexible working.
- Up to 26 days holiday, plus bank holidays, and shutdown over Christmas period.
- Opportunity to influence how the company grows and operates through an employee council.
- UWA sports centre membership.

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