

**Key Details:**

Job Title: Electronics Engineer  
Location: Cambridge/Cranfield  
Start Date: ASAP  
Duration: Permanent  
Salary: Competitive

**About the company:**

CorrosionRADAR (CR) is an innovative and fast-growing spin-out from Cranfield University. At CR we strive to be a global leader in remote sensing technologies and advanced analytic systems for smart infrastructures.

CR's mission is to support asset owners and operators to have safe, reliable and cost-effective maintenance and inspection programs. The primary focus of the company is on development of distributed monitoring systems for moisture and hidden corrosion (such as corrosion under insulation). Coupled with CR's predictive algorithms, CR's monitoring system aims to take a step towards an era of predictive than reactive maintenance programs.

CR is an exciting business that is making a big impact in the field of continuous corrosion monitoring. We develop, manufacture and deliver ground-breaking wireless corrosion monitoring systems for the oil and gas industry.

CR's high-calibre development team are working across a broad range of disciplines on research and development at the forefront of the industry. At their heart, they are a high-tech engineering company.

**About the roles:**

Reporting to the Chief Technical Officer, you will play a crucial role in the development of new sensor products. This will require working from end-to-end of the product development lifecycle, designing and implementing solutions, whilst ensuring close collaboration with other team members, to create a coherent and functional design. As a rapidly growing and changing company and product portfolio, the successful candidate will need to be comfortable taking on responsibility for driving product improvements and be reactive to change.

**Responsibilities and Requirements:**

- Electrical design and hands on assembly of PCBs. o Experience in systems research and development for condition monitoring, non-destructive testing, active vibration control, energy harvesting and other solutions.
- Proficient in mixed circuit and PCB design for interfacing microcontrollers with piezoelectric and MEMS sensors, as well as high-power amplifiers for driving actuators.
- Skilled in circuit characterization, test and troubleshooting using bench-top instruments such as multimeters, oscilloscopes, wave generators, spectrum analysers and others.
- An excellent understanding of advanced mechanical/electrical engineering, evidenced by a 1st or 2:1 from a top university.
- An analytical mind-set.

- A strong team player.
- Self-motivated and well organised with an eye for detail.
- Driven to deliver quality, on-time results.
- Be willing and able to travel both within the UK and internationally if required.

### **Training & Development:**

A career with CR offers an intellectually stimulating, varied and rewarding environment where you will form a key part of a high-calibre team.

As a growing company, team members are regularly exposed to a diverse range of technical and commercial activities. We actively encourage cross functional working as well as site visits to understand the customer needs and environment first hand.

### **Deadline**

9th April 2018.

You must have the right to work in the UK.

### **How to Apply**

Please email your CV and a covering letter detailing your skills and experience to: [admin@corrosionradar.com](mailto:admin@corrosionradar.com)