

## JOB DESCRIPTION

### Senior Design Engineer

#### Overview

Whether it's industrial embedded computing, custom lithium battery packs, secure communication systems, antennas, or imaging technology we design, manufacture, supply and support it!

From the ocean floor to the edge of space, Steatite innovation is making sure that vital technology operates consistently, reliably, and above all safely.

Our products can be found gathering scientific insight in the cold and crushing depths of the deep sea, transmitting high bandwidth data across hostile terrain, processing colossal amounts of traffic data at the "edge" and via the cloud, and enabling next generation video solutions on board trains above and below ground.

From the first day of your employment with us, you will be part of an organisation that strives every day to make your work rewarding and cares for your safety and wellbeing.

This exciting position is for an experienced Design Engineer, ideally with a Defence, Industrial or Aerospace background. Working as a key member of the Product Engineering Team you will be responsible for the design and development of solutions to meet detailed customer requirements, working with other departments as necessary throughout the design cycle from concept to implementation.

You will have the opportunity to put your knowledge and product Engineering experience to good use, designing solutions that are both fit for purpose and of the highest quality to meet extensive customer requirements on high profile projects.

#### Summary Details

Job Type:	On Site
Job Title:	Senior Design Engineer
Location:	Redditch
Hours:	38 hours per week , worked Monday - Friday
Salary Package:	Competitive
Benefits	26 days holiday plus bank holidays, increasing with long service

	<p>Discretionary annual bonus                  Salary Sacrifice Pension                  4 x Salary Death in Service payment                  Access to Westfield Healthcare scheme, including:</p> <ul style="list-style-type: none"> <li>• Corporate Healthcare Plan</li> <li>• Employee Assistance program</li> <li>• Wellbeing App</li> <li>• Discount scheme</li> </ul> <p>Cycle to Work Scheme                  EV Salary Sacrifice Scheme                  Enrolled in Employee Share Scheme after 12 months</p>
<p>Qualifications</p>	<p>Degree or equivalent in Engineering, Electrical Engineering or a related field, or significant relative experience in a similar role</p>

**The type of person we are looking for**

You will have a flexible and adaptable approach to your workload. You will be curious and open minded and keen to seek out evolving and innovative ways to add value. You will be able to work effectively and inclusively with a range of people. You will be determined and resourceful and driven to deliver the best results for the business. You will be driven to ensure that tasks are completed thoroughly and within deadlines. You will be eager to learn new skills and seek development opportunities in the course of your employment.

Reporting to the Head of Product Engineering, you will have experience of working on long term “cradle to grave” projects. You will be used to liaising with customers and suppliers as well as giving support to Production. You will have an aptitude for design and a track record of designing, preferably in a similar industry.

**Please note that this role will be subject to Security Clearance. As such, factors including your nationality, previous nationalities that you may have held, and your place of birth may affect your eligibility to apply for this role.**

**The Role**

This role encompasses the following responsibilities:

- Evaluate and interpret project technical requirements to develop concept architectures / designs
- Design and develop hardware solutions, from concept through to qualification / implementation / integration
- Ensure all customer requirements are met throughout the development process, to demonstrate fulfilment of Verification and Validation activities
- Support the development of test strategies and plans for formal qualification testing (including shock, vibration, EMC, Safety etc.)

- Produce and maintain any required design documentation
- Play an active role in key milestone events such as Design Reviews, both internal and customer facing
- Support the build of initial prototypes / qualification systems
- Supporting other Engineering Team members with design information as required
- Knowledge of Project, Product and Business lifecycles, with an understanding of Engineering activities at each stage of the lifecycle
- Provide support, as required, to other areas of the Business
- Work with external suppliers and manufacturers; maintaining strong working relationships

### **Key Competencies**

- Experience in an Engineering environment, ideally defence-related
- Designing products for harsh environments – i.e. shock, vibration, thermal extremes – working knowledge of Military Specifications and Standards is a benefit
- Extensive knowledge of Electrical / Electronic / Computer components and systems
- Knowledge of Mechanical Engineering fundamentals, processes, and standards
- Good understanding of EMC, particularly in design
- Experience of designing for longevity and useability / through-life support, for example consideration of Human Factors and Integrated Logistics Support requirements
- Competent at producing accurate and professional documentation
- Understands the need for configuration control, change management and security marking aspects of all types of documentation and drawings
- Experienced in managing own work and able to prioritise tasks to meet milestones
- Working in a multi-disciplined environment (mechanical, electrical, electronic, safety, human factors, security, software etc.)
- Good attention to detail, conscientious, and takes pride in work
- Able to work as part of a team as well as on own initiative
- Fully conversant with Microsoft Office Suite
- Due to the nature of the work carried out, all applicants must be eligible for SC Clearance

### **Useful Additional Expertise**

The following would be advantageous but are not essential:

- Knowledge of EU/UK safety and CE regulations would be an asset