JOB DESCRIPTION

Antenna Design Engineer

Overview

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

Our products can be found gathering scientific insight in the cold and crushing depths at the ocean floor, transmitting high bandwidth data across hostile terrain, processing colossal amounts of traffic data, and enabling secure ticket sales on board a train.

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

Reporting directly to the Chief RF Engineer, this exciting position is for an experienced Antenna Design Engineer. Working as a key member of the Engineering Team you will provide antenna design expertise to produce new antenna designs to meet customer specifications and to develop new antenna products to grow Steatite's offering. You will be working alongside other RF, Mechanical and Electronic Engineers to assist Sales, Commercial and Production departments to develop concepts, proposals, and solutions to meet customer expectations.

Summary Details

Job Type:	Site based
Job Title:	Antenna Design Engineer
Location:	Leominster, Herefordshire
Hours:	37.5 hours per week, Monday - Friday
Salary Package:	Competitive
Benefits	26 days holiday plus bank holidays, increasing with length of service. Annual Discretionary Bonus Salary sacrifice pension 3-month notice period after probationary period Access to Westfield Healthcare scheme, including: • Corporate Health Cash Plan • Employee Assistance program

	• Wellbeing App • Discount scheme Cycle to Work Scheme EV scheme Enrolled in Employee Share Scheme after 12 months
Qualifications	Engineering degree to at least Bachelors or Masters level

The type of person we are looking for:

- Good attention to detail, conscientious, and takes pride in work output.
- Able to work as part of a team as well as on own initiative.
- Having a flexible and adaptable approach
- Curious - inquisitive and open minded, seeks out evolving and innovative ways to add value.
- Collaborative - able to work effectively and inclusively with a range of people.
- Driven to deliver - Determined and resourceful to deliver the best results for the business.

The Role

This role encompasses the following responsibilities:

- Work individually or in teams alongside mechanical and electronic engineers to develop new antenna designs.
- Develop designs using 3D EM simulation software CST Microwave Studio.
- Assist with assembly and testing of prototype designs.
- Communicate with project managers, sales, procurement, commercial and production departments to ensure workflow remains on schedule.
- Participate in and lead design reviews and manage engineering change notes through the product development process in line with ISO 9001 procedures
- Create and maintain project and design documentation.
- Provide management information on design developments for reporting purposes as required.
- Adherence to all health, safety, environmental & quality policies and standards
- Any other duties as the business requires

Key Competencies

- Proven track record in Antenna design
- Experience of using CST Microwave Studio (or similar)

- Familiarity with antenna radiation pattern measurements (near-field or far-field)
- Experience of using VNA's or similar antenna measurement equipment
- A high level of accuracy and attention to detail is required.
- Ability to work autonomously on tasks and as part of larger interdisciplinary teams.
- Excellent communication (verbal and written) skills.
- Ability to initiate, plan and organise.
- Proficient in using all Microsoft office packages

Useful Additional Expertise

The following are advantageous but not essential:

- Industrial experience or relevant academic experience in the field of antennas is desirable.
- Production of antenna designs at RF, microwave or mm-wave frequencies (especially wideband topologies) would be advantageous.
- Hands-on experience of antenna-based systems for defence, aerospace, or commercial applications desirable.