SENIOR PRODUCT DEVELOPMENT ENGINEER

Reports to	Principal Product Development Engineer
Type	Permanent
Office/Remote	Office based with up to 1 day per week remote working. Flexible start/stop times.
Location	Stirling

Your new company:

We are **Emblation**, an award-winning medical technology company revolutionising healthcare by harnessing the power of microwave energy. Our goal is to enhance traditional treatments by leveraging the advantages of microwave technology to deliver precise, repeatable procedures that lead to better clinical outcomes. Founded in 2007 by our co-founders—now serving as President and Chief Technology Officer—our leadership team brings over 50 years of combined experience in medical technology, driving our innovation and growth.

Job Description: We are seeking a highly skilled and experienced Senior Product Development Engineer to join our innovative and dynamic team. This role is ideal for a proactive, hands-on professional with a strong track record in product development who is eager to work across the entire product lifecycle. You'll have the opportunity to design and manufacture cutting-edge medical devices that make a meaningful impact on the world.

Job Role:

- Lead the design and development of new medical device systems and accessories, incorporating both mechanical and electronic components in compliance with the Company's design control procedures and regulatory standards (including ISO 13485 and QSR).
- Drive enhancements to the existing product range by managing upgrades due to regulatory changes, component obsolescence, or customer feedback.
- Oversee the verification of new and updated designs, including defining test protocols and procedures, and designing test jigs for comprehensive evaluation.
- Provide support for design validation, covering areas such as electrical safety, electromagnetic compatibility, and usability testing.
- Collaborate with the Operations team to manage the transfer of products to manufacturing, ensuring the smooth definition of assembly and test procedures, as well as providing ongoing technical support and process improvements.
- Partner with the Quality department to conduct thorough investigations into non-conformances, leading root cause analysis and defining corrective and preventative actions.

Essential Skills:

- Bachelor's degree (Hons) in Mechanical Engineering, Product Design Engineering, or a related field.
- 5+ years of experience in product or systems development, with a strong focus on mechanical design for electronics systems, working alongside electronics engineers.
- High degree of proficiency with 3D modelling software and technical drawing, SolidWorks preferred.
- Demonstrated expertise in creating detailed specifications, test plans, and technical reports.
- In-depth experience with structured product development cycles.
- Excellent communication skills, both written and verbal, with the ability to lead technical discussions and present ideas clearly.
- Strong leadership skills with a proactive, self-driven attitude.

Desirable Skills:

- Extensive experience in low-volume rapid prototyping technologies, alongside high-volume manufacturing processes such as injection moulding.
- Solid understanding of practical electronics, with hands-on experience in areas such as soldering or using measurement tools.
- Knowledge of risk management in line with ISO 14971 and other relevant medical device standards, particularly ISO 13485 and IEC 60601.
- Proven expertise in Design for Manufacturing (DFM) and leading design-to-manufacture transfers across various manufacturing processes and materials.
- Significant experience within the medical devices sector or a similarly regulated industry.
- Willingness to travel occasionally, primarily to local Contract Electronic Manufacturing (CEM) partners.
- Experience working within a Quality Management System (QMS), preferably in accordance with ISO 13485.

What You'll Get in Return:

- Competitive salary
- Company pension
- On-site gym
- On-site parking and easy shuttle access from Stirling rail station.