



Head of Engineering

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Role Description:

The role centres on spearheading the development and innovation of Ceramic Matrix Composite (CMC) materials, driving both technical leadership and team collaboration. The successful candidate will lead research and development efforts, manage a skilled team of engineers, and ensure the integration of new technologies into product designs. This position plays a pivotal role in shaping the company's technological direction and market offering.

Accountabilities:

1. Technical Leadership and Expertise
2. Research and Development Leadership
3. Team Management and Collaboration
4. Technical Documentation and Intellectual Property
5. Continuous Improvement
6. Customer Management

Responsibilities:

- a) Provide technical leadership and expertise in CMC material science and engineering.
- b) Collaborate with the CTO and wider team to define technical requirements and project goals.
- c) Lead and contribute to the development of new CMC materials, manufacturing processes, and product designs.
- d) Manage a team of engineers and technical staff, providing guidance and support for their professional growth.
- e) Foster collaboration with wider business and external stakeholders to ensure effective project execution and knowledge sharing.

- f) Create and maintain comprehensive technical documentation, including design specifications, engineering drawings, and test reports.
- g) Collaborate with the CTO and legal experts to protect intellectual property rights through proper documentation and patent filings.
- h) Drive continuous improvement initiatives in engineering processes, methodologies, and tools.
- i) Stay updated with the latest advancements in composite material science and engineering, attending conferences and training programs as necessary.
- j) Support the CTO in strategic decision-making related to technology development and implementation.
- k) Ensure that our CMC solutions are aligned with market demands and customer expectations.

About HTMS:

High Temperature Material Systems Limited (HTMS), founded in 2021 by Dr. Danilo Di Salvo and Dr. Richard Grainger, is at the forefront of delivering emerging materials technologies for the high-value manufacturing sector in the UK. As a niche player specialising in the development of innovative CMCs, HTMS is dedicated to pushing the boundaries of materials science. Our mission revolves around crafting bespoke CMC materials through pioneering research and novel matrix chemistries, aimed at enhancing performance, durability, and functionality, solidifying our commitment to innovation in the field.

Company Culture and Values:

1. HTMS is committed to innovation, quality, and sustainability.
2. We value collaboration, continuous learning, and the professional growth of our team members.

Benefits and Growth Opportunities:

1. Competitive salary and benefits package.
2. Opportunities for unparalleled professional development and advancement.
3. Leading cutting-edge technology and projects in the high value manufacturing sector.

About you:

Qualifications and Experience:

1. Master's degree or Ph.D. in Materials Science, Engineering, or a related field, or equivalent experience.

2. At least 5 years of experience in composite material development and team leadership.

Skills:

1. Expertise in CMC (or composite) material science and engineering.
2. Strong leadership and team management abilities.
3. Excellent communication and collaboration skills.
4. Proficiency in technical documentation and IP protection.
5. Ability to drive continuous improvement and adapt to the latest industry advancements.