

Director of Nuclear Materials Science and Technology

OPPORTUNITY

Ainira Industries is currently seeking applicants for Director of Nuclear Materials Science and Technology for its Space and Defence division – a highly intelligent and confident senior engineer and a strategic manager with a keen eye for design and a style that fosters innovation, collaboration, and accountability.

JOB DESCRIPTION

Ainira Industries leverages great science to deliver big outcomes. We partner with scientists and engineers, and apply new technologies to provide real-world benefits. Our work improves human health, saves lives, builds our industries, and protects the environment.

The Aerospace Technology Group undertakes and enables world-class applied and translational research utilising nuclear techniques to enhance Company's contribution to supporting development in relation to nuclear science and technology and connects people, transfers knowledge, and provides nuclear-based products and services.

As custodian of unique nuclear expertise and technology know-how, the group is committed to undertaking research and enabling systems that deliver real-life benefits and impact. The Aerospace Technology Group has a mandate to deliver mission-based programs utilising Ainira's wealth of expertise and infrastructure, with a particular focus on developing next-gen safe nuclear-powered engine for civil and military aircraft.

Reporting to CEO, the position is the applied science and technology leader of the Space and Defence Technology Group and makes a strong intellectual contribution to the initiation, planning, and execution of the applied research, science, and technology programs of the Ainira Space and Defence.

RESPONSIBILITIES

- Primary point of contact for Nuclear Materials Science and Technology for Europe, Africa, and GCC
- Develop, lead and deliver a range of high quality, cost-effective research and capability development programs and projects that meet Group/Company's objectives, build research capacity and achieve increased research and operational/capability performance and outcomes
- Support the company's long-term strategy for Space/Aerospace and Defence division, and ensure the continued development of world-class capabilities infrastructure to enable successful product launch
- Lead programs to develop the capabilities, skills, and expertise of employees within the Group including development of leadership and career pathways
- Identifying new and additional sources of funding within a competitive environment, and ensuring the use of funding exceeds requirements and expectations of a diverse range of stakeholders
- Identify, establish, operate technology assets that accelerate product and innovation, provide strategic product engineering direction and thought leadership based on global best practice and trends
- Develop and maintain collaborative relationships, and drive and collaborate across the industry to introduce and adopt new technologies to enable efficiencies or new opportunities

- Reviews and evaluates product quality, cost effectiveness, and manufacturing performance to standards and takes action as necessary to correct variances
- Ensures engineering product design and specifications are built to the highest standards, assessing risks to the company and ensuring they are monitored and managed/minimised
- Meet regularly with direct reports to review performance, recommendations and reports, and identify any issues and set expectations of goals
- Represent the organisation at official occasions, in negotiations, at conventions, seminars, public hearings and forums, and liaising between areas of responsibility
- Provide expert, authoritative, and evidence based advice, being fully accountable for the accuracy, integrity, and quality of the content of advice provided to the Company Executives

SKILLS and ABILITIES

- PhD (or MSc) in Nuclear, Aerospace, Electrical, Mechanical Engineering, or directly relevant equivalent
- Outstanding tertiary post graduate qualifications in business administration and management
- 10-15 years-plus successfully bringing niche space/aerospace products to mass production
- Understanding of the defence sector both within the US, NATO, AUKUS, and abroad
- Strong leadership skills and the ability to recruit, retain, and inspire a top team of commercial innovators
- Sound understanding of finance and accounting principles, and financial management systems
- Proven experience in successfully commercialising industry technologies and/or services, as well as proven commercial business experience and success at a strategic and operational level
- A reputation and profile in the relevant external scientific and technological communities commensurate with the position of scientific leader of the Group
- Experience with building and maintaining extensive networks with multinational companies, small and medium enterprises and industry associations
- Capable of overseeing multiple cross-functional teams in all project activities for multiple concurrent projects necessary for the successful commercial launch of new products
- Outstanding communications skills – succinct and to the point in one-on-one, small group and public speaking events for a variety of content (e.g. presentations, proposals, strategies etc.)

COMPENSATION

This is a senior role within the business and the compensation package, which includes company stock, will be structured to reflect the experience and expertise of the successful candidate.

APPLY

Click “Apply” below or use form in the Contact section – quote the reference number HR-SDA-0010. Only the shortlisted candidates will be contacted. Thank you for your interest.

Recruitment agencies, please note that no agency candidates will be accepted.