

Mechanical Design Engineer

OPPORTUNITY

Ainira Industries is currently seeking applicants for Mechanical Design Engineer for its growing verticals, as the Company is building a world class engineering team focused on innovation and execution.

JOB DESCRIPTION

Reporting to the Director of Engineering, the Mechanical Design Engineer will lead the mechanical design and development of all new products. You will be applying your skills to a broad range of mechanical engineering problems, operating as part of an inter-disciplinary engineering team covering electronics, electrical, software, systems, production, quality, and test, validation and qualification.

RESPONSIBILITIES

- Support the Company's long-term strategy for Electric Vehicles and Space/Aerospace divisions
- Provide strategic product engineering direction and thought leadership based on global best practice and trends, and identify, establish and operate technology assets that accelerate product development
- Review and evaluate product quality, cost effectiveness, and manufacturing performance to standards, and take action as necessary to correct variances
- Experience in state-of-the-art design and development processes, including Robust Design Principles, Design for Manufacture, Design for Assembly, and Failure Mode and Effect Analysis (FMEA)
- Drive initiatives and collaborate across the organisation and with the peer across the industry to introduce and adopt new technologies to enable efficiencies or new opportunities
- Liaise with suppliers to ensure engineering product design, redesign, and customisation specifications are built to the highest standards
- Work collaboratively with engineering design and process architecture teams to mature delegation of product development decisions
- Provide mechanical design within the Company in the creation of market disrupting products, including concept planning and development for new technologies and systems, and product enhancements
- Detailed design and technical specifications/procedures writing of complex mechanical systems
- Project management of design and development, oversee the production of rapid prototypes and tooling
- Gathering information and participating in meetings: design review, cost analysis, quality assurance and control, product validation, usability testing, supply chain, and manufacturing liaison
- Coordination, delivery, installation, and commissioning of equipment and systems

SKILLS and ABILITIES

- BSc in Mechanical, Mechatronics, Production/Process Engineering, or equivalent degree is required
- 5 years-plus successfully bringing high volume electro-mechanical products to mass production
- CAD proficiency using Catia and SolidWorks, FEA using Ansys Multiphysics and Ansys CFD desired
- Highly developed skills of plastic injection moulding, and of working with the composite materials
- Proven ability in product development from concept through to production ready stage
- Working knowledge of PBC design and layout, EMC and safety certifications, and heat management
- Intimate understanding of design control, and validation and verification processes under a Quality Management System for global manufacturing
- Good administration, document control, and tracking skills, with demonstrated high degree of initiative, creative problem solving, and attention to detail
- Thrive on solving challenges both personally and as a member of the team in a modern product development environment
- Outstanding communications skills a must – 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.)
- Demonstrated ability to balance competing priorities effectively and to produce quality work within tight time constraints and a defined procedural framework

COMPENSATION

Company offers competitive compensation and benefits package.

APPLY

Click "Apply" below or use form in the Contact section – quote the reference number HR-ENG-0034. Only the shortlisted candidates will be contacted. Thank you for your interest.

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