

Principal Systems Engineer

OPPORTUNITY

Ainira Industries is currently seeking applicants for Principal Systems Engineer for its Space and Defence division in North America, with occasional travel to the Middle East and Australia.

JOB DESCRIPTION

Reporting to Engineering Manager Space and Defence you will be self-driven having a deep understanding of aerospace and/or automotive development and manufacturing technologies, as well as the passion to develop high quality product in an agile and fast paced environment.

Through the products we design, manufacture and launch, we are building long term relationships with our customers, delivering highly scalable solutions and services that make a real difference to all our stakeholders.

You will interact with an experienced and driven engineering teams currently based in Houston and Dubai, and act as an evangelist for the latest tools and techniques, but a realist that can put these into practice. You will lead multidisciplinary teams of systems, mechanical, electrical, electronic, and software engineers.

RESPONSIBILITIES

- Support company's long-term strategy for Intelligent Electric Vehicles and Space/Aerospace/Defence
- Identify, establish and operate technology assets that accelerate product and innovation, and provide strategic product engineering direction based on global best practice and trends
- Develop system architecture and solutions to some of the most challenging engineering problems
- Drive and collaborate across the organisation and with the value chain to introduce and adopt new technologies to enable efficiencies or new opportunities
- Review and evaluate product quality, cost effectiveness, and manufacturing performance to standards, develop concepts, conduct design reviews, and take action as necessary to correct variances
- Ensure engineering product design and specifications are built to the highest standards – system and subsystem specifications, product breakdown structure, design components, interface specifications
- Work collaboratively with engineering design and process architecture teams to mature delegation of architecture and engineering decisions
- Enable team-based governance across product engineering teams and acceleration of shared assets
- Provide technical leadership and resources with engineering and manufacturing expertise to peers in order to coach and uplift the capabilities (development, operations) of each product engineering team
- Conduct trade space studies (QFD and DOE), change and design control, and system assurance
- Create and execute test cases for the verification of flight hardware and associated test equipment
- 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
- Maintain the design and its documentation according to the applicable configuration management, perform change management, and prepare and arrange reports, budgets and forecasts
- Keep aware of the competitive space/aerospace and defence sector, market landscape, expansion opportunities, and industry developments
- Assessing risks to the company and ensuring they are monitored and managed/minimised

SKILLS and ABILITIES

- MSc or BSc in Systems, Electrical, Electronics, Mechatronics, or Manufacturing Engineering is required
- Strong leadership skills and the ability to recruit, retain and inspire a top team of developers
- 10-15 years-plus successfully bringing high volume electromechanical products to mass production
- Strong architecture and design; modelling, simulation, and model based systems engineering; integration, verification, validation, and qualification; operational testing and evaluation techniques.
- Demonstrated track record of developing and launching successful, innovative products; has a thorough understanding of a variety of manufacturing processes and how they affect design decisions
- Working knowledge of CASE Tools such as DOORS, JIRA, JAMA, Enterprise Architect, Core, Arcadia, and Capella
- Comfortable driving multiple initiatives at a rapid pace, making thoughtful recommendations through logical decomposition of multidisciplinary systems and with available data
- Capable of overseeing multiple cross-functional teams in all project activities for multiple concurrent projects necessary for the successful commercial launch of new products
- Strong project management skills a must – 5 years-plus of experience managing engineering teams and successfully bringing high volume, consumer oriented, electro-optic products to mass production
- Outstanding communications skills also 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 high degree of initiative, creative problem solving, attention to detail, and calm under fire
- Able to engage effectively with others on the senior management team in sales, product, manufacturing, finance, and legal, as well as to presenting effectively at Executive Management and Board level
- Travel domestic and internationally 20% of the time – EU, US, GCC, SE Asia, and Australia in particular

COMPENSATION

The Company offers a competitive compensation and benefits package.

APPLY

Click "Apply" below or use form in the Contact section – quote the reference number HR-SDA-0013. Only the shortlisted candidates will be contacted. Thank you for your interest.

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