

Electromechanical Engineer

OPPORTUNITY

Ainira Industries is currently seeking applicants for a Senior Mechanical Engineer to join our growing team in Bucharest, Romania.

JOB DESCRIPTION

The Senior Mechanical Engineer is primarily responsible as the first point of contact for the direct support on the mechanical design team. In addition, they are responsible for implementation of process improvement and the transfer of designs and prototypes into production.

RESPONSIBILITIES

- Perform research and development work as assigned to design new products encompassing mechanical, electrical, opto-electronics, and composite materials
- Resolve issues with existing products, and contribute to innovation and component enhancements
- Perform simulation and analysis using thermal and structural modelling software
- Prepare or review drawings, specify standards, direct or personally build design models, perform or monitor testing and pilot operations, and develop and contribute new ideas
- Ensure that dimensions and specifications are correct as well as the consistency of design parameters with manufacturing operations and application
- Contribute as a team member on assigned projects or works independently, reporting progress regularly
- Assist to develop, document, maintain, and improve manufacturing processes and procedures, and set standard process times in terms of effort and duration
- Assist to design and develop the electric vehicle production assembly and test stations to meet the quality and manufacturing performance objectives
- Collaborate with the manufacturing/production teams and provide design feedback for manufacturability, serviceability, and reliability
- Provide support to sustain and enhance production by providing guidance with the analysis and resolution of quality issues relating to product, process, and production stations.
- Prepare tools and provide training and support to junior mechanical engineers
- Write detailed work instructions including assembly, test, material inspection and validation procedures.
- Create and direct equipment calibration, maintenance, and new equipment procurement specification for all analytical instruments used in advanced production.
- Performs other related duties in the aircraft, and spacecraft prototyping and manufacturing as required by management.

SKILLS and ABILITIES

- BSc Engineering, Mechanical/Manufacturing Engineering; MSc viewed favourably.
- Minimum of six years' experience in an EV/aerospace design, prototyping and manufacturing environment deploying complex production processes.
- Experience in assembling, handling, and testing opto-mechanical and electro-optic assemblies and sub-systems.
- Mechanism Design and analysis – electro-mechanical, Optomechanical, and Thermal.
- Working knowledge of best practices in design and testing.
- Knowledge and experience with Labview, MatLab, and SolidWorks.
- FEA, SolidWorks Simulation Pro or Premium, SolidWorks FLOW simulation or equivalent.
- Self-starter who is highly motivated and takes initiative.
- Ability to collaborate in a team environment, and works well under pressure in a dynamic fast-paced environment.
- Must be able to accurately communicate ideas, always operate on a professional level, and provide solutions to challenging issues.
- Willingness to continue to learn, grow, and take on stretch assignments.
- Excellent computer and MS Office skills to report in a variety of formats.
- Creativity, flexibility, develop new ideas in a fast-paced environment

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-EVS-0028. Only the shortlisted candidates will be contacted. Thank you for your interest.

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