



JOB DESCRIPTION

Chief Engineer - Propulsion

REPORTING TO: HEAD OF VEHICLE ENGINEERING

Job Purpose

The Chief Engineer - Propulsion contributes to the overall success of the organisation by carrying out vehicle & system design and engineering specification activities for the organisation.

Primary Duties and Responsibilities

The Chief Engineer - Propulsion is a key member of the technical management team reporting to the Head of Vehicle Engineering and performs a wide range of duties including some or all of the following:

Business

- Facilitate the creation and detailing of our technical supplier partnerships as they pertain to Propulsion in all forms & types.

Engineering

- Creation of engineering vision and departmental targets within his/her functional responsibility.
- Internal and external communication with regard to all aspects of engineering activities including technical presentation of engineering activities to Type Approving bodies and agencies.
- Definition of the all Propulsion activities associated to product definition/ specification, taking into account legal and internal targets, authoring final documentation and implementing requirements into design validation programs.



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- Ensure that all statutory requirements of the organization and product are met.
- Manage the team responsible for all areas of propulsion design and product creation including:
 - Overall vehicle Propulsion formulation & specification.
 - Complete appraisal and incorporation of EASA and equivalent road vehicle electronics and controls performance requirements into AeroMobil propulsion specifications and engineering planning activities.
 - Coordinate within the team the creation and management of all data in support of the concept, engineering and validation of all vehicle propulsion systems and their interactions. To include:
 - All 2D, 3D data associated to components, systems and supporting products.
 - All Specifications and systems documentation
 - FMEA documentation.
 - Complete Engineering reports required to support product release.
 - Bill of Material and PLM data for all components and systems.

External Body Interface Activities

- With the compliance and airworthiness function coordinate all engineering communication with external technical authorities and bodies ensuring all information is appropriate and accurate and follows company policies.

System Based Vehicle Optimisation

- Act to guide the Propulsion team in the optimisation and specification of all engineering systems and components in line with the business goals and project targets.
- As part of the technical management team, coordinate with the head of development, head of computational analysis and project manager all activities affecting the timely delivery of all business activities.

Vehicle Cost Coordination

- Together with Finance team establish budgetary and forecast information for vehicle material costs and investment costs, maintaining its accuracy within company systems to allow other functions to disseminate and analyse implications.

Engineering Timing Coordination and Management

- Together with the Head of Vehicle Engineering and Project Manager, plan all Propulsion engineering activities in line with business milestones, maintaining accurate component and tooling lead times for each component/ system and ensuring timely release of all designs to meet the project goals.

Team Creation, Motivation and Development

- Act with the rest of the senior management team to create a motivated, empowered workforce that meets the highest standards of openness and honesty.
- Work with the HR function to plan and develop the skills and capabilities of the team to



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deliver all core functions both now and in the future.

Vision and Future Planning

- Stay abreast of all technologies and developments in the fields of automotive and aerospace and disseminate such data frequently to the rest of the business allowing timely reaction to new opportunities and risks.

Qualifications

Education

- Higher university degree in an advanced engineering discipline relating to electrical or avionics systems for either aerospace or road vehicles.

Professional designation

- The candidate would benefit from holding a professional accreditation as recognized by EASA within an equivalent technical business. Consideration will be given to candidates who have held senior positions in larger organisations where equivalent responsibility is clearly evident.

Experience

- 12+ years of experience in design engineering within automotive or aerospace area including over 9 years of relevant independent experience in automotive or aerospace product development

Proficiency in the use of computer programs for

- Engineering Design, Analysis and reporting, Word processing, Databases, Spreadsheets, E-mail, Internet

Working Conditions

- Working location: AeroMobil office in Bratislava, Slovakia

Other Information

- Advantage: experience in automotive / aviation industries, experience of European and Federal aviation authorities, their standards and practices.
- Compensation package: negotiable depending on candidate skills and knowledge