



AEROMOBIL

JOB DESCRIPTION

Senior Automotive Design Engineer – Propulsion Systems

REPORTING TO: CHIEF ENGINEER – WHOLE VEHICLE

Job Purpose

A member of the design engineering team which contributes to the overall success of the organisation by carrying out the propulsion systems (mainly powertrain, prop-shaft, e-drive) activities for the organisation.

Primary Duties and Responsibilities

Performing a wide range of duties including some or all of the following:

Engineering

- Creation of engineering designs in 2D & 3D.
- Providing data and assisting in the creation of all departmental component and system specifications.
- Play a part in the construction and verification program.
- Coordinate the construction of component and system FMEA documentation.
- Coordinate the creation of engineering reports and technical summary presentations.
- Assist in the construction and continuous maintenance of Bill of Material and PDM data
- Assist in the construction and planning of departmental development plans and legislation compliance plans.

System based vehicle optimisation

- Work within the departmental team in the optimisation and specification of all engineering systems and components in line with the business goals and project targets.

Vehicle Cost Coordination

- Support the Chief Engineer in the preparation and presentation budgetary and forecast information for component and systems material costs and investment costs.

Engineering Timing Coordination and Management

- Work with Chief Engineer to plan all 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.
- Partner with the supplier companies delivering the component and system designs.

Qualifications

Education

University degree in an advanced engineering discipline preferably one relating the automotive sector.

Professional designation

Candidate should consider continuing professional development and preferably should have a plan to achieve charter-ship accreditation.

Knowledge, skills and abilities

Knowledge of automotive development practices and technologies is beneficial, allowing the individual to help the wider business team to plan and execute product development activities with the right level of rigor and focus, maintaining at all times the business object to put safety first.

Proficiency in the use of computer programs for

- CATIA V5 or V6 / NX engineering design tools
- Word processing, Databases, Spreadsheets, E-mail, Internet

Personal characteristics

As a design engineer within the wider engineering team the candidate should demonstrate competence in some or all of the following:

- An understanding of the importance of business goals such as of safety and reliability.
- Behave Ethically
- Communicate effectively and build relationships
- Organize
- Solve Problems
- Be enthusiastic when faced with new challenges and difficult tasks.

Experience

5 - 10 years of progressive engineering activities

Experience in automotive industry, preferably working with rear shaft and powertrain design or rotating machines.

Working Conditions

Working in an office, development workshop and production facility environment

Usually working a standard work week but can be asked to work longer hours when timing requires as well as working at partner facilities during periods no longer than 1 consecutive calendar month.

Other Information

Compensation package: negotiable depending on candidate skills and knowledge