



AEROMOBIL

JOB DESCRIPTION

Senior Automotive Design Engineer – Body Structures

STARTING DATE: ASAP

REPORTING TO: CHIEF ENGINEER – BODY STRUCTURES

Job Purpose

A member of the design engineering team which contributes to the overall success of the organisation by carrying out the automotive structural and body system design using composite materials and engineering specification 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.

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.
- Experience of design with composite materials.

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: Understand ethical behaviour and business practices and ensure own behaviour and the behaviour of others is consistent with these standards and aligns with the values of the organization
- Build Relationships: Be able to establish internal relationships with other team members and functions.
- Communicate Effectively: Speak, listen and write English in a clear, thorough and timely manner using appropriate and effective communication tools and techniques.
- Organize: Plan for indicated priorities, maintaining work schedules, monitoring progress

towards goals, and communicating issues and slippage in a timely manor.

- Solve Problems: Assess problem situations to identify causes, gather and process relevant information, generate possible solutions, and make recommendations and/or resolve the problem.
- Be enthusiastic when faced with new challenges and difficult tasks.

Experience

- 10+ years of progressive engineering activities
- Experience in automotive industry

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