



AEROMOBIL

JOB DESCRIPTION

Vehicle Development Engineer

REPORTING TO: HEAD OF VEHICLE DEVELOPMENT

Job Purpose

The Vehicle Development Engineer contributes to the overall success of the organization by defining, operating and testing the experimental vehicles and systems which are used to develop the AeroMobil into a safe, satisfying and successful product.

Primary Duties and Responsibilities

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

- Taking full responsibility for the preparation, monitoring, analysis and reporting of assigned vehicle or subsystem testing activity.
- Supporting the assembly of prototype vehicles, subsystems and test fixtures by the Vehicle Development workshop, ensuring that their specification is defined and delivered exactly as required to perform the demanded testing activity.
- Preparing plans and budgets for individual testing activities, or all testing activities of a specified type.
- Developing test procedures, and interpreting external test specifications for their application to the AeroMobil.
- Working closely with relevant internal engineers and external partners to efficiently develop the AeroMobil to satisfy certification, customer and internal requirements.
- Working closely with relevant internal engineers and external partners to resolve engineering issues.
- Reporting promptly and clearly any technical issues encountered, and working collaboratively to find temporary and long-term solutions.
- Taking temporary responsibility for the well-being and motivation of small teams possibly comprising AeroMobil and external engineers, technicians and test pilots/drivers, while testing in remote locations.
- Travelling worldwide as required to support AeroMobil experimental vehicles and subsystems under test.
- Developing links with key suppliers and partners.
- Maintaining robust and high quality documentation in line with defined processes.

Qualifications

Education

- As a minimum, candidates should possess a strong Bachelor or Master degree in a relevant engineering subject.
- Candidates possessing a PhD, additional professional qualifications or certifications, or recognition from professional institutions, will be viewed positively.

Experience

5+ years of relevant experience in an automotive or aerospace test and development environment, such as:

- An automobile or aircraft manufacturer.
- A major supplier or partner to the automotive or aerospace industries.
- A professional motorsport team.

Applicants with experience gained in other types of automotive or aircraft business will be considered.

Knowledge, skills and abilities

The Vehicle Development Engineer should demonstrate some or all of the following:

- Good fundamental understanding and application of engineering theory.
- Specific experience in the testing and development of one or more mechanical vehicle systems, or more general test and development experience.
- Experience of testing and development activities as a complete vehicle (automotive or flight testing) would be considered an advantage.
- A good understanding of sensors, data acquisition systems, data interpretation and analysis.
- Understanding of vehicle electrical, electronic, network communications and diagnostic systems would be an advantage.
- The ability to communicate clearly and confidently in spoken English, and the ability to read and write complex technical documents in written English.

Proficiency in the use of computer programs for

- Manipulation, interpretation and analysis of recorded sensor data
- Word processing, spreadsheets, e-mail, internet

Personal characteristics

The Vehicle Development Engineer should demonstrate the following attributes:

- A high level of self-motivation, initiative and flexibility, and determination to see a task through to completion.
- A desire and an ability to learn.
- Being well-organized and methodical, with a good attention to detail.
- Commitment to delivering a task on time, to a high level of quality, accounting for the needs of colleagues and partners.
- Commitment to operational safety and reliability by demonstrating a high level of care and diligence.

- Establishing and maintaining positive working relationships with others both internally and externally, working cooperatively and effectively with others.
- Being flexible and adaptable – willing to perform a variety of activities governed by the changing priorities of the business.
- Operating with integrity, and behaving ethically.
- Having a “can do” attitude – finding safe and reliable ways to complete a difficult task, rather than finding reasons not to.

Working Conditions

The Vehicle Development Engineer shall:

- Work primarily in an office environment but should expect to spend a great deal of time in workshops and test locations.
- Work a standard working week, but some flexibility in working hours will be expected.
- Be prepared to take up a permanent full-time work in the AeroMobil HQ in Bratislava.
- Be expected to travel to partner facilities or test locations for periods no longer than 1 continuous calendar month.

Other Information

- Compensation package: negotiable depending on candidate skills and knowledge.