

Job Description – Senior Motorsports Engineer JD

MGI Engineering Ltd is looking for a **Senior Motorsports Engineer** to join our highly skilled team to deliver cutting-edge solutions in the aerospace, automotive, motorsport and marine sectors. MGI Engineering is accelerating the creation of technologies towards a net carbon zero future.

Founded in 2003 by our CEO Mike Gascoyne, MGI Engineering has circa 20 full-time engineering staff based in Witney, Oxfordshire, delivering innovative technology solutions to wider mainstream and newly developing industry sectors. We are a very dynamic team with many exciting clients and projects. We pride ourselves on having a can-do attitude.

The technical team leverages its extensive experience in the F1 industry to deliver customised, highly innovative solutions to meet our client's specific requirements within different sectors. Our DNA is rooted in extensive, fast-paced R&D development, on-time and within-budget delivery, and reliance on a trusted international network of partners and specialists. We believe in sustainability, mobility and reusable energy technology across all our supported sectors.

The ideal candidate will be skilled in CAD modelling NX (preferable) or Catia with significant design experience of both composite and metallic components for high-performing vehicles.

Reporting to the Head of Motorsports Engineering, this position will involve:

- Design and CAD modelling of mechanical and composite components.
- Hand calculations to support designs.
- Analysing and interpreting customer requirements.
- Preparation of detailed designs and drawings for manufacture including tolerances.
- Interaction with Aerodynamic and Calculations departments to ensure full compliance with concept intent and structural integrity.
- Continuous development of designs and process to keep best practices.
- Comply with company quality standards AS 9100D (training will be provided).
- Lead and mentor junior designers to ensure company standards are achieved.
- Supporting the Test team as required to explore and validate technical solutions.

Basic Qualifications and Experience

- Educated to minimum HND level /Mechanical Engineering or equivalent.
- At least 10 years of experience working in a relevant industrial environment, with at least 5 years of experience working in the Motorsports industry.
- A sound knowledge of computer aided design, preferably NX11.
- Comfortable performing simple hand calculations to support designs.
- Understanding of manufacturing techniques of mechanical components and tooling.
- Ability to apply your knowledge to solve fundamental engineering solutions.
- Ability to communicate complex ideas so that they are understood by different audiences.
- Fluent in spoken and written English language.

Preferred Qualifications and Experience

- Extensive experience working in F1 or other high-performing racing series.
- Proficient user of both NX and Catia.
- Experienced user of CAD surfacing tools and procedures.

- Previous experience in leading a small team or project.
- Hands-on experience with mechanical materials.
- Knowledge and experience of pre-preg and infusion laminating techniques.

What We Offer

- Competitive salary
- 25 days holiday + bank holidays
- Flexible benefits scheme
- Free Breakfast
- Birthday day off
- Flexible working hours

Contract hours:

Full time

Primary location:

Witney, Oxfordshire

Salary:

Competitive

