

# VACANCY



**POSITION:** Composite Stress Engineer  
**DEPARTMENT:** McLaren Applied Technologies  
**CLOSING DATE:** 30<sup>th</sup> September 2011

**At McLaren we believe that anything is possible. We know what it takes to win and we achieve this by working together and encouraging innovation in an extraordinary high performance environment**

### **McLaren Applied Technologies**

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McLaren Applied Technologies is the newest company in the McLaren Group with a remit to exploit Formula 1 technology to other markets. This role is part of a small but growing multi-disciplinary team in a fast paced environment. The successful applicant will assist our Design and Engineering Group in a variety of projects including motorsport, elite sports and defence, often working on new, ground breaking concepts or designs. Projects range from bespoke one off designs or prototypes to volume manufacture consumer products and equipment.

### **The Role**

- Work with clients to define detailed specifications and create designs based on the project requirements.
- Interpret and refine existing technical specifications.
- Design, implement and maintain robust, generic and testable solutions within agreed timescales.
- Accurately estimate activity timescales and provide regular progress reports.
- Confidently analyse and overcome technical challenges with workable and innovative solutions.

### **Your Knowledge, Skills and Experience:**

- Applicants must possess the ability to simulate and optimise both composite and metallic components/assemblies to a high degree of fidelity;
- Have a good working knowledge of manufacturing techniques, layup manuals, technical drawings and processes, particularly in carbon composite materials;
- Demonstrate the ability to transfer analysis recommendations into actual parts or systems with repeatable test performance based on analysis predictions;
- Knowledge of fibre draping analysis tools is preferred together with working knowledge of the Hyperwerk, MSC or ABAQUS product range;
- Knowledge of Altair or Genesis optimisation software would be an advantage;
- Awareness of influencing design factors such as cost, manufacturing constraints and aesthetic design;
- Demonstrable ability and willingness to quickly learn new skills and adapt existing skills to new areas;
- Self- starter and confident decision maker with the ability to work independently;
- Demonstrate innovative thinking and be confident in idea generation situations where creative thinking maybe required;
- Experience of working within a high performance sports or F1 environment would be advantageous.

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If you think you have what it takes to deliver exceptional performance in this role please forward your CV and a covering letter to [mclarenhr@mclaren.com](mailto:mclarenhr@mclaren.com)

Closing date for applications is 30<sup>th</sup> September 2011.