



3T Design Engineer.

Reporting to the Technical Director.

Responsibilities;

To work as key member of a small focused cross functional product development team working on bicycle components for the high end road racing market.

Work to detailed product specifications to create complex surface models and mechanical systems using modern 3D CAD systems.

To pro-actively contribute design ideas and practical engineering solutions to provide innovative product solutions.

Design components in advanced composite materials as well as traditional aerospace metals.

Design mechanical and composite components for a variety of manufacturing procedures.

Where applicable to provide tooling design for manufacture including pattern block up, mould design, fixtures for bonding and machining where applicable.

Create 2D drawings, materials and manufacturing specifications, composite lay-up and ply call out documentation to assist in the smooth transition from design to production in a globally distributed engineering chain.

On a day to day basis the successful candidate will be responsible for all aspects of project management; maintaining and reporting on project plans, scheduling, issuing technical bulletins etc.

Accurate report writing will also be a key element of this role.

To stay abreast of current materials and engineering developments that could be applied to innovative product design and manufacturing methods for high quality mass produced components.

Qualifications.

Applications are invited from graduates qualified to degree level in an Engineering or Product Design discipline. As well as being a strong team player, successful candidates will be tenacious, flexible and demonstrate excellent communication skills. They will be able to demonstrate experience in at least three of the following areas;

- Experience of modern 3D CAD systems. CATIA V5 experience is a distinct advantage.

- Good solid modeling and surfacing skills.
- Good mechanical design experience including; basic stressing, materials selection, sizing and tolerancing etc. Knowledge of FE methods and software, particularly Nastran, would be a distinct advantage.
- Experience of composite materials, manufacturing methods, tooling requirements etc.
- Product and graphic design skills. Knowledge of the Adobe Illustrator and Photoshop software suites would be a distinct advantage.

3T Cycling srl.

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