

Job Description: Senior Design Engineer



Department: OSET Bikes

Job role overview:

OSET electric motorcycles are competition proven and have won multiple youth championships around the world. They are the first choice for anyone interested in trials and competitive riding, or simply learning and having fun! All OSET electric motorcycles are designed and manufactured to the highest possible standards and specification.

We design, develop, manufacture, and distribute globally market leading products. All design work and prototyping is undertaken in the UK at the Hastings head office. Currently a number of projects that are fundamental to the future success of the Company are in progress and will shortly reach critical development points in their project plans. As a result, the Company is looking for a highly capable and enthusiastic Senior Design Engineer to help bring these and future ideas to life.

The successful candidate will use a range of design software and tools to develop, prototype and test both new products and interim product updates, ensuring designs comply with relevant international safety standards. They will also generate test procedures, oversee their operation and produce comprehensive written reports

The role will take initial concepts, prove their capability, create pre-production prototypes and then refine into production ready designs that are ready to tool as well as maintain and control part number and version integrity and provide effective support to OSET's stakeholders. Creating and maintaining detailed CAD assemblies and BOM structures for both existing and new products, will also be required.

Report to: Design and Development Team Leader

Location: St Leonards-on-Sea, East Sussex, TN38 9UB

Duties and Responsibilities:

- Work through from initial project briefs, developing concepts for future products to production-ready designs as well as development of existing products.
- Create and maintain 3D CAD models with associated drawings and specification sheets in Solidworks.
- Contribute to OSET's obligations to comply with international safety and environmental directives and ensure the products meet these requirements.
- Create and maintain BOM documents and integrate with other business database systems.
- Create comprehensive specifications for components and assemblies
- Visit manufacturing partner sites in Taiwan and Thailand to check part and assembly quality
- Work on projects with minimal intervention from team leader and deliver results in tight timescales
- Set up and run development tests, producing comprehensive result write up reports.
- Build up test and prototype products for testing, ensuring specification is correct and recorded.
- Support in maintaining technical folder with guidance from colleagues.
- Analyse off tool samples and document any non-conformity.
- Focal point for internally printed 3D parts, maintenance and control of printer consumables.
- To undertake and assist with projects as required by your Manager.
- Any other ad-hoc duties as required by your Manager.

Person Specification: Senior Design Engineer



	Essential	Desirable
Qualifications and Attainments	<p>BSc/BEng high class degree in product design, mechanical engineering or related subject.</p> <p>Maths and English GCSE grade C or above.</p>	
Professional Experience and Skills	<p>Detailed and applicable understanding of fundamental engineering principles.</p> <p>Significant previous experience designing plastic injection moulded parts and with complex surface modelling.</p> <p>Practical and applicable knowledge of UK and EU Standards and legislation.</p> <p>Some project management skills.</p> <p>Hands on workshop practical experience.</p> <p>Exceptional prototyping knowledge. Proficient in Microsoft Packages including Excel, Word, Outlook and Publisher.</p> <p>Competent and experienced in 3D design packages (Solidworks)</p>	<p>Previous experience of working within an automotive /manufacturing environment.</p> <p>Passionate about, or with experience of, riding offroad motorbikes or mountain bikes</p> <p>Experience of Far East manufacture</p> <p>Experience mentoring colleagues</p>
Personality and Motivation	<p>Self-motivated and resilient. Flexible and adaptable. Able to take instruction and work under pressure. Excellent communication skills, clear and concise written and verbal skills</p>	
Appearance and Characteristics	<p>Well presented.</p>	
Circumstances	<p>Able to be flexible on working hours.</p>	