

# Job Description: Electrical/Electronics Engineer - EV



**Department:** OSET Bikes – Research & Development

OSET, a part of the Triumph Motorcycles Group, are world leaders in electric trials, off road and motocross motorcycles for children from the age of 3 up to adults. OSET kids electric motorcycles are recognised globally as the best bikes for children to learn on and improve their motorbike skills. Being electric they have no hot parts, require no petrol, produce no fumes and are virtually silent - meaning riders can use them everyday in places other bikes cannot go.

OSET Bikes is a market leading off road electric motorcycle manufacturer. 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 electronics engineer to help bring these and future ideas to life.

**Job role overview:** Working with suppliers you will take a lead role in the development of the motorbikes electrical system. You will work on unique initial concepts and create test plans to ensure OSET maintains our market leading position. Reporting directly to the R&D manager you will be a key part of the engineering team.

**Report to:** R&D Team Leader

**Location:** OSET Bikes HQ – St Leonards, East Sussex

## Duties and Responsibilities

- Create, conduct, and report on development and compliance testing.
- Being a pivotal point for the development of electronic products for new models in the OSET range.
- Liaise with global suppliers to achieve desired outputs.
- Advise on the design of electronic circuitry for safety critical systems.
- Work closely with OSET test riders and suppliers to achieve targeted performance.
- Maintain project plans to ensure all targets are achieved.
- Positive approach to tasks with outstanding problem-solving skills.
- To undertake and assist with projects as required by your Manager.
- Any other ad-hoc duties as required by your Manager.

# Person Specification: Electrical/Electronic Engineer - EV



	Essential	Desirable
<b>Qualifications and Attainments</b>	<p>Maths and English GCSE grade C or above.</p> <p>High class degree in a relevant electrical engineering field.</p>	
<b>Professional Experience and Skills</b>	<p>Proficient in Microsoft Packages including Excel, Word and Outlook.</p> <p>Proven experience in a similar electrical engineering role</p> <p>Sound understanding of analogue and digital design.</p> <p>Detailed test plan creation experience to validate own work and supplier solutions</p> <p>Top level PCB design, layout, and population experience.</p> <p>Sensor system design and integration, including hall effect sensors.</p> <p>Able to read and understand C/C++.</p> <p>Practical wiring assembly experience.</p> <p>Experience working to EMC standards.</p> <p>Detailed Specification Generation.</p> <p>Interface with the mechanical design, test, and software teams to develop new products</p>	<p>Previous experience of working within an automotive or manufacturing environment.</p> <p>Experience of motor controller design and power electronics is highly desirable</p> <p>Experience with cylindrical lithium batteries</p> <p>Experience riding motorbikes or bicycles off road</p> <p>Experience with manufacturing in the Asian market</p> <p>Hands on workshop practical experience</p>
<b>Personality and Motivation</b>	<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>	
<b>Appearance and Characteristics</b>	<p>Well presented.</p>	
<b>Circumstances</b>	<p>Able to be flexible on working hours.</p>	