

## JOB DESCRIPTION

<b>Job Role</b>	Senior/Principal Electrical Design Engineer
<b>Location</b>	Lutterworth, Leicestershire (with potential requirement for periods of offsite working within the UK)
<b>Reports To</b>	Engineering Director
<b>The role</b>	
<p>Hypermotive are a dynamic, rapidly growing consultancy who have made a name for themselves in the mobility electrification sector. Hypermotive are a highly experienced, friendly, enthusiastic team-work under two business divisions, EV Engineering and Wiring Systems manufacturing (tier 1 supplier). The working environment is fast paced yet fun with a strong commercial focus. You will work on highly varied projects across all aspects of electrical and low carbon vehicles and supporting systems knowing that your input will directly contribute not only to the successful delivery of the project but also support the success and growth of the business.</p> <p>As part of the Hypermotive Engineering team, the Electrical Design Engineer will be responsible for the design, development and delivery of low and high voltage electrical systems and eMobility solutions for both vehicle systems and test rig hardware.</p> <p>Within this role, you will be responsible for all aspects of the electrical system / subsystem design across the whole V lifecycle. This will include:</p> <ul style="list-style-type: none"> <li>• Supporting generation of requirements from the customer’s brief</li> <li>• Generation of the circuit design and electrical schematics</li> <li>• Production of manufacturing drawings for wiring harnesses</li> <li>• Supporting component selection and sourcing</li> <li>• Design verification and validation</li> <li>• BOM generation and management</li> <li>• Supporting product build</li> </ul> <p>You will work closely with the other functions within the design team and with the manufacturing team to ensure right first time, on time delivery of the project within budget. You will support design review, team, supplier and customer meetings as required and seek to resolve any issue assigned to you in a timely manner.</p> <p>Alongside this, you will support the development and roll out of Hypermotive’s quality processes and supporting tools associated with your work and build Hypermotive’s internal electrical engineering capability to support business growth.</p>	
<b>Education and Skills Requirements</b>	
<p>Educated to degree level in electrical engineering or other relevant discipline 3+ years’ experience in relevant role and industry</p> <p><b>Skills &amp; Experience Required:</b></p> <ul style="list-style-type: none"> <li>• Experience in designing automotive/motorsport/transport electrical systems</li> <li>• Competent in generating electrical schematics (and wiring diagrams)</li> <li>• Experienced user of 3D or 2D CAD package. Hypermotive use Solidworks and VeSYS (Capital Harness)</li> </ul>	

- Knowledge of and experience of working to automotive engineering standards and processes
- Experience of designing both HV and LV systems, ideally across both static enclosure-based systems and motive applications including component specification and selection

**Skills preferred:**

- Working knowledge of automotive and motorsport standards and processes for electrical system design and manufacture
- Experience of electrical component sourcing and a strong supplier database
- Hands on experience of wiring harness manufacture

**Personal attributes:**

- Flexible attitude
- Team player
- Self-motivated
- Proactive approach to work
- Able to multi-task across several projects at one time

**Hypermotive can offer:**

- Interesting, varied and challenging work
- Wide range of projects across multiple sectors
- Good rates of pay and generous holidays
- Flexible working arrangements
- Pension scheme and other benefits