

JOB DESCRIPTION

Job Role	Senior/Principal Electrical Design Engineer
Location	Lutterworth, Leicestershire or Northampton (with potential requirement for periods of offsite working within the UK)
Reports To	Engineering Director
The Company	
<p>Hypermotive are a well-respected and dynamic engineering and manufacturing business, focussed on the e-mobility transport. Hypermotive specialise in the design and tier 1 manufacture of high and low voltage power distribution systems and wiring harnesses for sectors including automotive, motorsport, commercial vehicle, rail, marine and aerospace. We are also recognised as one of Europe's most experienced hydrogen fuel cell system integrators.</p> <p>Joining Hypermotive would make you a key part of a highly experienced, engaged and dedicated team - delivering a wide range of projects at the cutting edge of e-mobility and zero-emissions technology.</p>	
The role	
<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"> • Supporting generation of requirements from the customer's brief • Generation of the circuit design and electrical schematics • Production of manufacturing drawings for wiring harnesses • Supporting component selection and sourcing • Design verification and validation • BOM generation and management • Supporting product build <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>	
Education and Skills Requirements	
<p>Educated to degree level in electrical engineering or other relevant discipline 3+ years' experience in relevant role and industry</p> <p>Skills & Experience Required:</p> <ul style="list-style-type: none"> • Experience in designing automotive/motorsport/transport electrical systems 	

- Competent in generating electrical schematics (and wiring diagrams)
- Experienced user of 3D or 2D CAD package. Hypermotive use Solidworks and VeSYS (Capital Harness)
- 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, healthcare and other benefits