



PROTEAN

Senior Vehicle Electrical Engineer

Farnham, UK

Protean Electric is an automotive technology firm. Our mission is to drive sustainable transport through innovation, and we are looking for the best people to join us and help stay ahead of the competition.

Working with us is your opportunity to become an expert in your field and to join us in setting world-class standards in design and production quality. Diversity and inclusion are fundamental to our approach. We know that teams who share one vision whilst drawing from a range of diverse backgrounds and experiences are the most innovative.

Working here means enjoying a fast paced, dynamic and collaborative environment. Our challenges require innovative solutions and provide a unique opportunity to shine and grow with the company.

We value and measure ourselves against these “Best Self” behaviours:

- Pioneering
- Driven
- Tenacious
- Collaborative
- High Integrity
- Responsible

If you decide to apply for the role, please email your CV, cover letter and salary expectations to: ukjobs@proteanelectric.com. It is important that you **quote the full Job Title in the subject line.**

Thanks for taking an interest in joining us and please see the specific details below:

The Role

We are seeking a Senior Vehicle Electrical Engineer to join our Vehicle Engineering team.

Main Duties & Responsibilities

The Vehicle Engineering Team is responsible for vehicle conversions, which allow the unique capabilities of our in wheel motor technology to be demonstrated and tested to maximum effect, both in internal and customer funded vehicle projects. This could be hybrid or pure EV and will usually involve some integration with the base vehicle systems. The Senior Vehicle Electrical Engineer will take ownership of all



electrical aspects of these projects at low and high voltage levels and will provide technical support to the Customer Application team and wider business. You will also take ownership of all electrical systems developed to test and characterise these vehicles to quantify the performance benefits of our technologies.

The role will involve occasional travel to global destinations (EU, US, CN primarily).

Key Responsibilities

Include, although are not limited to the following:

- Specification, design, integration, test and diagnosis of bespoke hybrid and electric vehicle electrical systems
- Commissioning of all electrical systems including communications busses.
- Test system specification, design and manufacture.
- Providing best practice guidance on low and high voltage vehicle electrical system design.
- Promoting safe working practices near high voltage systems and providing training
- Hands-on installation and repair of vehicle electrical systems, batteries and power train components
- Sub-contractor management for wiring harness and battery manufacture
- Defining, executing and managing vehicle test programmes
- Creation and maintenance of technical manuals and documentation

Relevant Skills	Relevant Knowledge & Experience
<ul style="list-style-type: none"> • Organisation and task management • Problem solving and Resourcefulness • Ability to produce and understand technical documentation • Open mind and can-do attitude • Proactive • Communications and customer/supplier liaison • Hands-on approach • Team and goal oriented 	<p>Minimum:</p> <ul style="list-style-type: none"> • Good BEng/BSc in Electrical or Electronic Engineering or equivalent • 5+ years' experience of electrical/electronic system design in an automotive or similar field • Strong experience of working with high power electric and hybrid powertrains • Full UK driving license <p>Desirable</p> <ul style="list-style-type: none"> • Electronic module design through whole life-cycle • Second language (ideally Mandarin Chinese) • EMC testing experience and test-house management • Mechanical design using SolidWorks / CATIA or similar

