



DRIVING THE FUTURE OF ELECTRIC VEHICLES

We are the world leader of in-wheel motors for passenger cars, light commercial vehicles and future transport solutions.

Protean Electric is an automotive technology firm with around 150 talented people globally.

Our purpose is to make electric vehicles better, for the people who use them and for a sustainable world. Our mission is to make in-wheel motors a standard automotive product, used by customers worldwide.

The Role

We are looking for an excellent and knowledgeable **Vehicle Electrical Engineer** based in our R&D centre in **Farnham, UK**

Main Duties & Responsibilities

Protean is forming a new team to deliver vehicle systems solutions, primarily relating to powertrain and chassis systems for vehicles driven by Protean's in-wheel electric motors.

The team will:

- Develop powertrain and chassis system solutions that support the adoption of Protean's in-wheel motors, including addressing challenges and opportunities
- Develop and maintain vehicles for demonstration purposes and for durability testing
- Support customers with the integration of in-wheel motors, including on-site support

As an important member of the team, the Vehicle Electrical Engineer will:

- Design electrical architectures for electric vehicles
- Analyse and select vehicle electrical components
- Advise and support customers with vehicle electrical issues

Reporting, Location & Travel

This role reports to the Vehicle Engineering Manager and has no line management responsibility. The role is based in Farnham, Surrey with occasional requirement for national and international travel.

Responsibilities in Detail

Responsibilities include, although are not limited to the following:

- Specification and design of vehicle level electrical solutions to support the adoption of Protean's in-wheel motors, including HV & LV electrical systems and packaging of components

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- Building of relationships with third party partners and suppliers for these sub-systems and components
- Delivery of systems to customers' requirements
- Resolution of customers' issues when integrating electrical systems into vehicles
- Support, sometimes on-site, of commissioning and running of customer vehicles
- Delivery and maintenance of Protean's vehicles for demonstration and validation purposes
- Communication of plans and progress to the Vehicle Engineering Manager and other parts of the business

Relevant Skills & Behaviours

We value and measure ourselves against the following 'Best-Self' Behaviours:

- **Will to Win:** we succeed by delivering to customers; on time, on quality, and on cost
- **Pioneering:** we are passionate about the technology
- **Courageous:** we face our challenges
- **Working Together:** we can rely on each other, and others can rely on us
- **Personally Responsible:** we do what needs doing, when it needs doing
- **With Integrity:** we are honest, open and respectful

Successful candidates should be able to demonstrate the following relevant skills and behaviours:

- Exercise discretion and independent judgment in the performance of duties set out above
- Ability to communicate verbally and through technical documentation in English
- Exhibit sound interpersonal skills including interfacing, coordinating and negotiating with company personnel, customers and suppliers
- Utilise computer skills to prepare and review appropriate reports and documents
- Make decisions using sound judgment while complying with policies, procedures, appropriate principles and applicable laws and regulations
- Ability to self-motivate and work with minimal oversight

Relevant Knowledge & Experience

Candidates should assess their suitability against the following essential and/or desirable relevant knowledge and experience:

Essential:

- Relevant degree level qualification
- Expertise in HV & LV electrical systems for electric vehicles
- Knowledge of electrical components and suppliers
- Understanding of vehicle HV safety

Desirable:

- Previous development of electrical systems for N1 and/or M1 vehicle platforms
- Understanding of vehicle dynamics control
- Understanding of brake systems
- Understanding of suspension and steering systems
- Knowledge of the legislative environment for electric vehicles

Employee Benefits

In return for a rewarding and fulfilling career, all Employees can look forward to receiving a competitive salary, plus a number of additional employee benefits:

- **Core hours:** we offer a flexible approach to working hours, with core hours available to all Employees, requiring them to be in the office between 10:00 and 16:00 each day, from Monday to Friday. This provides Employees with the flexibility to start work, and finish work at a time that is convenient to them providing a little more freedom to take into account the journey to work and family commitments.
- **Discretionary Bonus:** Employees are eligible to receive discretionary bonus payments in connection with meeting certain targets.



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- Life Assurance: Employees are automatically enrolled into the company's Life Assurance scheme; this provides the sum of four times annual basic salary in the event of death during employment.
- **Pension Scheme:** Employees are automatically enrolled into the Company's Group Personal Pension Scheme, with the company matching contributions from a minimum of 5% up to a maximum of 7%.
- Private Healthcare: subject to completion of probation, Employees, their partners and dependents, are able to join the company's private healthcare scheme with BUPA, in addition to an accompanying cash plan with BHSF.
- Learning & Development: Employees are encouraged to continue their career development with a variety of training courses and development opportunities available to them.
- Relocation: we are able to offer a relocation package to assist Employees and their families when relocating to within a designated distance/duration from the company's offices.

Full details of the Employee Benefits are available upon request, or will be made available on provision of an offer of employment.

Should you wish to apply for this role, please e-mail your CV, covering letter and salary expectations to: ukjobs@proteanelectric.com – please be sure to **quote the full Job Title in the subject line** and read our Privacy Notice.

Thank you for your interest, we wish you every success with your application.

