



## 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 over 100 talented people globally. Our mission is to drive sustainable transport through innovation, and we are the imagination behind vehicles that travel further, perform better and use fewer components.

We believe that freedom of ideas, integrity of response, desire to improve, and collaborative thinking drive innovation. Joining Protean means working with talented experts across the organisation who value your ideas, empower you to make a difference, and encourage you to challenge yourself and others.

## Production Test Development Engineer

Farnham, UK

### The Role

We are seeking the right individual to join our Manufacturing Engineering team.

### Main Duties & Responsibilities

This position requires a proactive engineer to specify and implement automated production tests of all the electronic assemblies used in Protean's In Wheel Motor. Electronic assemblies include digital, analogue and high power 3 phase inverters.

The role also involves setting the overall test strategy, including requirements and procedures to be generated and implemented for high volume production within Protean facilities and third party vendors, as required.

### Reporting, Location & Travel

This role reports to the Manufacturing Engineering Team Leader and is based in Farnham, Surrey with an occasional requirement for national and international travel, primarily to China/Europe.

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### Key Responsibilities

Responsibilities include, although are not limited to the following:

- Generate an overall Test Strategy for high volume production
- Develop test requirements and procedures for automated test systems to be developed and installed in the supply chain
- Manage internal Protean test development
- Select and provide technical assistance and programme management of third party ATE development
- Manage data in relation to production yields and failures with Supplier Quality
- Ensure testing compliance to Protean Quality Systems
- Work with design teams in the UK and effectively communicate with the Manufacturing Engineering team in China with regard to high volume testing

### Relevant Skills & Behaviours

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

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

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

- Drive ideas and changes
- Aptitude and intelligence with a can do attitude
- Clear decision making
- Pragmatic and problem solving
- Strong verbal and written communication skills
- Project Management and planning

### Relevant Knowledge & Experience

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

#### Essential:

- Proven history of high volume automated electronics testing
- Excellent knowledge of Analogue, Digital and Power Electronics and the functional testing of
- Working knowledge of LabVIEW/TestStand or similar test automation software
- Track record working with suppliers, specifying, approving, developing and commissioning machines

#### Desirable:

- DFM and DFT analysis and feedback to design teams
- Integrating findings from FEA/DFMEA into test strategy
- Knowledge of Mechanical, Power Electronic and Software disciplines
- IT software, Windows, Office, MRP systems, internal software tools
- Read and interpret drawings and electronics and mechanical CAD data
- The ability to find and document failures and non-conformances and recommend solutions
- Understanding of Engineering Change Control



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## 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 a discretionary bonus of up to 15% of annual salary; this is paid annually and is subject to meeting set agreed targets.
- **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, including the offer of learning Mandarin.
- **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](mailto: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.

