



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.

Product Validation Engineer

Farnham, UK

Main Duties & Responsibilities

To support the development and testing of Protean's innovative in-wheel motor technology. The position is 'hands on', completing product validation and verification tests on the in-wheel motor. Tasks include specifying and designing appropriate test procedures, building and setting up test equipment, carrying out product testing, analysis of collected data and producing the necessary reports and documentation.

Reporting, Location & Travel

This role reports to the Test Manager as part of the Test & Validation team and is based in Farnham, Surrey with minimal requirement for national and international travel.

Key Responsibilities

Responsibilities include, although are not limited to the following:

- Completing all types of testing, including performance and function, electrical, environmental and life
- Liaising with and overseeing work completed by external test houses and certification bodies
- Generating test documentation including test reports and specifications
- Designing, specifying and developing new test procedures
- Statistical analysis of test data and making appropriate diagnosis and recommendations on trends, solutions and improvements
- Drafting, collating and delivering test information across the company at all levels, presenting the outcomes and recommendations on solutions for the future
- Specifying and procuring test equipment and components
- Setting up tests including designing and building test jigs and fixtures, metal and plastic work, wiring and soldering
- Maintain a system/process for identification, storage, handling and monitoring for all items under

- test (also known as test items)
- Supervision of Product Validation/Test Technicians
- Maintaining a safe and tidy working environment at all times

Relevant Skills & Behaviours

We welcome and encourage behaviours in line with our 'Values in Practice':

- **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:

- Highly organised with the ability to stay focused
- Self-motivated with the ability to work independently with little direction or supervision and in a team environment
- Strong energy and flexibility as well as resilience and ability to adapt to change and pressures of project deliverables
- Excellent written and oral communication skills
- Ability to mentor and coach others

Relevant Knowledge & Experience

Essential:

- Strong experience as an electro-mechanical technician in an R&D laboratory or product development environment
- Experienced in working to test procedures and generating test specifications and reports
- Experienced in fault finding and problem diagnosis
- Experience with soldering and wiring
- Experience in using lab test equipment such as oscilloscopes, meters, current clamps, data loggers
- Educated to degree level or equivalent in a Science or Engineering related subject

Desirable:

- Familiarity with and testing of electric motors and/or inverters
- Familiarity with testing to automotive standards
- Laboratory software programming (LabVIEW etc.)
- Experience working in an environment with hazardous voltages
- Experience working in an automotive environment

If you'd like to apply, please send a copy of your cv along with the role you'd like to apply for over to ukjobs@proteanelectric.com.

