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. 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.

Graduate Mechanical Engineer

Farnham, UK

The Role
We are seeking the right individual to join our Mechanical Engineering team.

Main Duties & Responsibilities
The Mechanical Design Engineer Graduates' primary duty is to provide technical support and assistance to the Mechanical Design Team. This will include design and drafting, DFMEA support and cross-functional collaboration with the Engineering, Operations and Sourcing teams.

This role will provide the successful candidate with a sound knowledge and understanding of Mechanical Design activity within the organisation, initially through the definition of technical requirements for new products and DFMEA activity. After a suitable timeframe, anticipated to be a minimum of one year, responsibilities are expected to increase and ultimately provide the opportunity to become involved in design activity.

Reporting, Location & Travel
This role reports to the Mechanical Design Manager, and has no direct reports. It is anticipated that there will also be travel involved in this role due to the requirement to provide ongoing support and collaboration between Protean's offices in the UK and China.

Key Responsibilities

Responsibilities include, although are not limited to the following:

- Creating and refining mechanical parts and assembly drawings
- Performing hand calculations and finite element analyses
- Discussing and resolving technically complex problems with manufacturers, suppliers and customers
- Preparing for design reviews
- Producing outline designs giving consideration to implications such as cost, safety and time
- Liaising with suppliers with regard to cost, quality and availability of products
- Producing engineering reports
- Providing technical support to other departments
- Supporting DFMEA activities
- Producing Engineering drawings for conformance to BS8888

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: - Creative and innovative design - Development and analysis of engineering solutions - Ability to communicate verbally and through technical documentation in English - Produce and manipulate complex CAD models - Ability to work in an international environment - Ability to self-motivate and work with minimal over sight - Good computer skills (Microsoft Office, SolidWorks) - Excellent personal and task organisation
Relevant Knowledge & Experience
Candidates should assess their suitability against the following essential and/or desirable relevant knowledge and experience: **Essential:** - Understanding of hand calculations and FEA - Sound knowledge of physics and mechanical engineering theory - Degree (BEng) in relevant engineering field - Knowledge of codes of conduct and ethical working - Knowledge of component testing and design of tests - Sound knowledge of GD&T **Desirable:** - Relevant experience in a product engineering business - Application of product design process - Experience using SolidWorks and SolidWorks Simulation - Masters' degree in relevant engineering field - Experience working with high power electric and hybrid powertrains - Experience of automotive traction batteries and motors

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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:

- **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.
- **Share Options:** Employees may also be enrolled into the Company's share option scheme, subject to Board consent.
- **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 – 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.