



PROTEAN

Chassis Integration Mechanical 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 the right individual to join our Mechanical Design team.

Main Duties & Responsibilities

An opportunity has arisen within the team for a mechanical engineer who will support vehicle integration including suspension, bearing, braking, wheel/tyre, cooling systems and their associated design analysis. The ideal candidate will be a proactive self-starter with experience working on these systems and will be familiar with production design and validation requirements. The role will be primarily based in Farnham, UK although may also include worldwide travel.



Key Responsibilities

Include, although are not limited to the following:

- Take ownership of existing product CAD data and system characteristics, and develop it to support customer vehicles or systems.
- Develop vehicle integration solutions including wheel, brake, suspension, bearing and other components to meet customer expectations.
- Support on-site mechanical integration activities and problem resolution.
- Manage the relationships with customers and suppliers to propose professional solutions to overcome issues during product integration to the target vehicles.
- Author high quality drawings and documents and to support customer engineering activities.
- Provide guidance and supporting analysis to mature designs with series production intent.

Relevant Skills	Relevant Knowledge & Experience
<ul style="list-style-type: none"> • Creative and innovative design • Development and analysis of engineering solutions • Ability to communicate verbally and through technical documentation in English • Produce drawings to BS 8888 • Produce and manipulate complex CAD models • Ability to work in international environment • Ability to self-motivate and work with minimal oversight • Good computer skills (Microsoft Office, SolidWorks) • Excellent personal and task organisation 	<p>Minimum:</p> <ul style="list-style-type: none"> • Technical understanding of vehicle suspension and braking components • Experience using 3D CAD (CATIA, SolidWorks or similar) • Degree (BEng) in relevant engineering field • Understanding of automotive mechanical design processes, specifically Suspension and chassis components • Understanding of basic calculations and FEA • Knowledge of codes of conduct and ethical working <p>Desirable:</p> <ul style="list-style-type: none"> • Masters degree in relevant engineering field • Chartered status with a recognised engineering body • OEM/Tier 1 experience with vehicle systems/assemblies • Experience working with high power electric & hybrid powertrains • Experience of automotive traction batteries and motors • Experience of working with foundation brakes and NVH optimisation.

