



PROTEAN

Applications Engineer (Mechanical)

Shanghai, China

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: chinajobs@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 Engineering team.

Main Duties & Responsibilities

An opportunity has arisen within the team for an applications engineer (mechanical) who can support vehicle integration including suspension, bearing, braking, wheel/tyre and cooling systems, and their associated design analysis. The ideal candidate will be a proactive self-starter with experience working on vehicle suspension systems as part of a small team, and be familiar with production intent design and validation requirements.



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.
- Responsible for 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.
- Provide 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"> • Ability to produce and understand technical documentation in English • Ability to work in international environment • Self-starter and team player • Good computer skills (Microsoft Office Suites) • Solid communication and organisational skills • Fluent English is a must 	<p>Minimum:</p> <ul style="list-style-type: none"> • 3+ years' experience using 3D CAD (CATIA, SolidWorks or similar) • Technical degree in mechanical or automotive engineering • Technical understanding of vehicle suspension and braking components • Hand-on experience around vehicle suspension and chassis • Experience of low-volume part development with minimal formal specification • Understanding of automotive mechanical design and modern design techniques such as FEA <p>Desirable:</p> <ul style="list-style-type: none"> • BSME from accredited four-year college or university. MS degree is desirable • OEM/Tier 1 experience with vehicle systems/assemblies is highly desired • Experience working with high power electric and hybrid powertrains • Experience of automotive traction batteries and motors • Experience of reverse engineering

