



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.

Senior Manufacturing Engineer

Shanghai, China

The Role

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

Main Duties & Responsibilities

This position requires a proactive engineer to support next generation in-wheel motor design from a manufacturing point of view. The role involves the generation of specifications and development of automated production assembly lines to be used in Protean's facilities and in other licensing opportunities in the future.

Reporting, Location & Travel

This role reports to the Manufacturing Engineering Director. The role is based in Shanghai with occasional requirement for national and international travel, primarily to China/Europe.

Key Responsibilities

Responsibilities include, although are not limited to the following:

- Leading and participating in design for manufacturing review for new products
- Leading and participating in new process development projects
- PBOM development
- Process flow definition and optimisation
- Managing and planning work activities on the shop floor, making decisions and problem solving as necessary
- Provide training, coaching, and mentoring to staff at each plant

Cont/...

- Preparation and issue of reports/presentations proposing trials, improvements etc.
- Researching and proposing the introduction of new technology
- Review shop floor activity and propose improvements and/or updates, following the DFM process with the Engineering team
- Identify and implement best practice across company plants
- Provide backup to the Manufacturing Manager as anticipated with business growth

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:

- Bachelor's degree or above in relevant industrial/mechanical engineering subject from 4-year College or University
- 10+ years manufacturing process/equipment experience
- Fluent in English with good written and spoken communication skills
- Excellent Reporting and Presentation skills
- Ability to build strong cross-functional relationships with excellent people skills
- Knowledge of SPC, Fishbone, problem analysis/solving tools, IE
- Knowledge of APQP, Flow chart, FMEA, Control Plan and other documents related to the manufacturing process

Desirable:

- Mechanical design and/or electrical design and/or IE background preferred
- Broad background in manufacturing assembly line design experience
- IT software, Windows, Office, MRP systems, internal software tools
- Ability to read and interpret drawings and electronics and mechanical CAD data
- Ability to find and document failures and non-conformances and recommend solutions
- Clear understanding of Engineering Change Control

Should you wish to apply for this role, please e-mail your CV, covering letter and salary expectations to: chinajobs@proteanelectric.com – please be sure to **quote the full Job Title in the subject line**.

Thank you for your interest, we wish you every success with your application.

