



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.

Applications Engineer

Farnham, UK

The Role

We are seeking the right individual to join our Applications Engineering team as an Applications Engineer. As part of a small team in a growing business, they will be a proactive self-starter comfortable working cross-discipline in an international environment and able to juggle multiple projects and priorities with minimal supervision.

Main Duties & Responsibilities

The Applications Engineer is responsible for supporting the design, development, and implementation of technical solutions for automotive customers and OEMs. Acting as the technical interface between customers, sales, programme management, and engineering teams, the role ensures products are successfully specified, developed, and delivered to meet customer requirements, industry standards, quality expectations, and commercial objectives.

The Applications Engineer plays a pivotal role throughout the product lifecycle, from customer enquiry and quotation through to validation, launch, and ongoing support.

Reporting, Location & Travel

The Applications Engineer reports directly to the Vehicle Engineering Manager. The role is based in Farnham, Surrey with some flexible working possible with frequent requirement for national/international travel to support client activity in Europe, China & Japan.

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Key Responsibilities

Responsibilities include, although are not limited to the following:

Customer & Application Engineering:

- Act as the primary technical contact for automotive customers and OEMs
- Analyse customer specifications, standards, and performance requirements
- Translate customer requirements into clear engineering and product specifications
- Support the development of application-specific solutions for vehicle systems and components
- Provide technical guidance and recommendations to customers throughout the project lifecycle

Programme & Project Support:

- Support new product introduction (NPI) and vehicle programme activities
- Work with Programme Managers to ensure customer milestones, deliverables, and timing plans are achieved
- Participate in technical reviews, design reviews, and customer meetings
- Assist in the preparation of engineering documentation, validation plans, and technical reports
- Support launch activities and production readiness reviews

Technical Sales Support:

- Collaborate with Business Development and Sales teams to support quotations and customer proposals
- Review RFQs (Request for Quotation) and customer specifications
- Provide technical feasibility assessments and risk evaluations
- Support cost-effective engineering solutions that meet customer expectations
- Deliver technical presentations and product demonstrations to customers

Product Development & Validation:

- Work closely with Design, Manufacturing, Quality, and Test teams throughout product development
- Support DFMEA, PFMEA, DVP&R, and engineering change activities
- Coordinate product validation and testing against automotive standards and customer requirements
- Investigate technical issues and support root-cause analysis and corrective actions
- Ensure design solutions are manufacturable, reliable, and compliant with industry requirements

Continuous Improvement:

- Support continuous improvement initiatives across products and processes
- Identify opportunities for innovation and technical enhancements
- Monitor automotive technology trends, competitor developments, and emerging market requirements
- Capture lessons learned from customer programmes and project launches

Relevant Skills & Behaviours

We value and measure ourselves against the following values:

- **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:

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Relevant Knowledge & Experience

Candidates should assess their suitability against the following essential and/or desirable relevant knowledge and experience:

Essential:

- Good technical degree in software / control / electrical / mechanical engineering
- Experience with popular automotive diagnostic tools including Vector, PCAN, ETAS
- Experience with data analysis tools and scripting in MATLAB, Python
- Experience in a customer facing role providing technical support & guidance

Desirable:

- ECU flashing/ tuning/ calibration via OBD, bespoke instrumentation, CAN / FlexRay/ LIN interfaces, etc.
- Experience with CAN protocol and .dbc file creation/ management
- Experience applying formal project management methods such as PRINCE2 or Agile.
- System and safety design applying ISO26262.
- Software and hardware validation, SiL, HiL etc.