ULEMCo
ultra low emission mileage company limited

JOB DESCRIPTION

DEVELOPMENT ENGINEER

SUMMARY

Provides additional resource to a small team involved in the installation and commercialization of alternative fueled commercial vehicles and machines. Flexible approach is required from an individual who combines technical, practical and communication skills. Primary location will be Aintree, Liverpool but travel to collaborative partners and customers in UK and abroad may be required.

TYPICAL DUTIES AND RESPONSIBILITIES

- Design and installation of R&D prototypes.
- Component and system design.
- Component specification and sourcing.
- Wiring loom specification and design.
- Building prototype wiring harnesses for both low and high voltage systems.
- Validation testing of components and systems as required.
- Preparation and maintenance of R&D BOMs.
- Set up and configuration of CAN based systems.
- Data collection and analysis.
- Working as part of a team on collaborative projects.

FUNCTIONAL SKILLS

- Working across a number of R&D projects (sometimes simultaneously), delivering work in a timely manner.
- Specifying required components and reporting this to project lead.
- Defining control system requirements to best fit each project's requirements.
- Building and validating R&D prototypes.
- Must be a "self-starter" and perform outlined tasks with very limited direct supervision and able to demonstrate a high degree of initiative.
- Ability to maintain confidentiality.
- A willingness to travel to off-site locations for work will be necessary.

QUALIFICATIONS, EDUCATION, SKILLS, AND EXPERIENCE

Mandatory

- Mechanical Engineering Degree (or related field) or other relevant industry experience.
- Minimum 2 – 3 years industry experience (in addition to degree).
- Ability to read, produce and amend automotive wiring diagrams and technical drawings.
- Ability to communicate technical data effectively both verbally and in written form at appropriate level to colleagues, technical contacts and customers.
- Mechanical and electrical integration on vehicle applications
- Ability to solve engineering problems using 'hand calculations.'

Desired

- Working knowledge of engines and/or fuel cells
- Working knowledge of electric drivetrain/high voltage systems
- Working knowledge of CAN bus systems
- Working knowledge of vehicle cooling systems
- Working knowledge of 3D CAD