



JOB DESCRIPTION

Job Title: 055 Lead Electrical Design Engineer	Department: Engineering
Reports to: Executive Chief Engineer	Responsible for: 2 Engineers
Location: UK with Occasional Foreign Travel	Date: 1st Aug 2018

Background:

Newly created role following confirmation of investment. Funding facilitates the corporate need to recruit an experienced Lead Electrical Design Engineer with demonstrable strong leadership, decision making, organisational and communication skills.

Main Purpose of Role:

Reporting directly to the Executive Chief Engineer the Lead Electrical Design Engineer will be accountable for leading a team of Electrical Engineers responsible for HV/LV electrical design of the company's core systems and electrical integration of those systems onto commercial truck platforms from concept to customer.

Key Result Areas	Approx % Time spent
<u>New Product Development</u> <ul style="list-style-type: none">• Be Accountable – From Concept to Customer - Lead HV/LV Electrical design programmes within the department and electrical Integration of core systems onto commercial truck platforms.• Be Accountable – For applying a Systems Engineering approach and leading the team to deliver electrical design and integration solutions capturing requirements and transforming those into Engineering technical specifications, design activities, and validated solutions that meet the requirements. Lead the design and implementation of electrical specialisation processes, tools, workflows and documents for the above delivering safety improvements allied to ISO 26262.• Be Accountable – For coaching and mentoring of electrical design Engineers. Carry out performance reviews of staff, set goals and objectives for the following review period that align to corporate and individual goals.• Collaborate - With project managers, development team, purchasing, build operations and service professionals on electrical design and integration throughout the product life cycle.• Participate - Within the broader business teams supporting Engineering Specification leveraging skills and expertise in electrical design and integration providing technical consultation to other programs ensuring that corporate cost and timing targets are met through reporting of task status.	90%



<u>Current Product Support</u> <ul style="list-style-type: none">• <i>Participate</i> - Within the broader program teams supporting activities allied to resolution of legacy technical issues through consultation to ensure that corporate cost and timing targets are met.	5%
<u>Emerging Technology Research</u> <ul style="list-style-type: none">• <i>Participate</i> - in assessing the electrical aspects of emerging technologies presented by the Tevva Technical Specialist	5%
Miscellaneous: Carry out any other duties as are within the scope, spirit and purpose of the job as requested by the Executive Chief Engineer. All performance reviews going forward will be facilitated by Executive Chief Engineer.	

PERSON SPECIFICATION

Experience

Essential

- Demonstrable 5+ Years of Leading electrical design activities across staff, supplier, process and customer base to deliver volume production solutions.
- Demonstrable 5+ Years of the differing automotive architectures, vehicle systems, sub-systems and components together with the full range of electrical integration strategies.

Desirable

- Knowledge of the Low Carbon Vehicle Sector systems, sub-systems and components and associated technical strategies.
- Knowledge of current and future proposed low Carbon Vehicle Certification Requirements.

Skills and Aptitudes

Essential

- Leadership, decision making, organising and decision making.
 - Strong analytical skills with an eye for detail.
 - Focused, diligent and accurate in specification definition and reporting.
 - Ability to understand from first principles emerging technologies and recognise their electrical design and integration challenges and solution strategy.
 - Excellent written and verbal communication skills, particularly in the presentation of status reports, complex Engineering concepts and the provision of information in the format appropriate to a wide range of circumstances and audiences.
 - Expert in the use of Microsoft Applications.
 - Ability to plan and prioritise their workload to meet tight deadlines.
 - Ability to work effectively as an individual and part of a team.
 - Proven problem solving and analytical skills.
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Qualifications

Desirable

- Master/Bachelor's Degree in Science/Engineering/Electrical Engineering
- Chartered Engineer

Personal Qualities

Essential

- Highly self-motivated, personable and self-reliant.
 - Well presented.
 - Excellent bearing.
 - Strong tact and interpersonal skills.
 - Positive approach to change.
 - Enthusiastic
 - Adaptable.
 - Tenacious.
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