

Job title:	Electrical Design Engineer
Department:	Engineering, Electrical
Reports to:	Engineering Manager Harness design
Responsible for:	N/A
Location:	Dennis-Eagle Warwick
Hours of Work:	08:00 to 16:30 Monday – Thursday, 08:00 to 13:00 Friday
Closing date:	Indefinite

Our values:

We are part of the Terberg Environmental Group that has roots going back to 1869, part of the larger Terberg Group that is still family-owned. With family values at our core, we operate honestly and with integrity. We aim to represent our core values in all areas of our work. Our core values are: Customer Focus, Entrepreneurial Spirit, Flexibility, Innovation, Integrity, Quality and Sustainability.



Job Purpose:

We're looking for an Electrical Design Engineer to join our Electrical team based at our Manufacturing facility in Warwick. You'll be taking electrical designs from concept to production and the detailing of electrical systems and components for our vehicles.

Main Duties and Responsibilities:

You'll be responsible for:

- Designing 2D Harness and selecting electrical components for heavy trucks, working closely with the 3D Design engineers and the systems team.
- Close liaison/concurrent activities with internal / external suppliers / customers including securing Installation and Application Approvals.
- Compilation of Engineering Master Parts Lists (BOM) and design release documentation.
- Contribute and advise on relevant product testing activities / test results analysis.
- Problem solving where required for associated systems / parts.

Accountabilities & Commitments Required:

We are seeking a proactive team player, who is diligent in their approach to work and can communicate to all levels of Business in a clear and concise manner

Quality & Environmental Responsibilities:

Responsible for the management, compliance and upkeep of the quality & environmental procedures, records, and documents relevant to the role.



At Dennis Eagle we are proud to be an equal opportunities employer and a disability confident organisation. We are committed to fostering an inclusive workplace where diversity is celebrated. As part of our dedication to creating a supportive environment, we guarantee to interview all disabled applicants who meet the minimum criteria for the vacancy. We invite you to engage in an open conversation with us about how we can best support you and ensure that your unique skills and talents are recognised and valued. Your success is integral to our collective growth, and we look forward to working together to create a workplace that empowers everyone to thrive.

If you have any queries or would like to apply for the role, please contact the Recruitment team recruitment@dennis-eagle.co.uk



Criteria	(E)ssential / (D)esirable
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Knowledge	
• Understanding of required quality levels for this type of business.	E
• Good detailed knowledge of a wide range of electrical engineering	E
• 2D Harness design	E
• ISO standards for EDS design	E
• Schematic design	D
• 3D Harness routing	D
• Detailed knowledge of the design process behind a number of the manufacturing processes used	D
• Zuken E3 or Similar Electrical drawing package.	D
• 3D Harness routing	D
• V model validation methods	D
• Six Sigma	D
• Knowledge of applicable regulations & standards	D
• Vehicle systems we use on our product, software or hardware	D
• ISO26262 system design	D
• HGVs	D
• Proficient in Microsoft office 365	D

Experience	
• Minimum 2 to 3 years' Engineering in a relevant industry	E
• Electrical Distribution Systems (EDS)	E
• Truck, Yellow Goods, or related product, chassis systems with similar product volumes and level of complexity	E
• Liaison with internal and external suppliers	E
• Engineering change control documentation	E
• 5 years' experience in Engineering in a relevant industry	D
• Leading a team based design activity such as FMEAs & Risk analysis	D
• Supervision of support engineers if and when allocated	D

Education / Qualifications	
• Minimum qualification Degree in Electrical or Software Engineering OR the ability to demonstrate the same level of competence through a combination of other relevant qualifications, training and experience.	E
• Member of recognised engineering institution, e.g. IET	D

Job-related skills & abilities	
• Ability to communicate (verbally & written) at all levels in the business	E
• Well-developed problem solving techniques, 8D, A3	E
• Attention to detail	E
• DVP&R (Design validation plan & report) generation	E
• DFMEA participation	D
• Demonstrable workload/project management skills	D
• Training and coaching in engineering disciplines	D



Other requirements	
• Occasional overtime required	E
• Ability and willingness to travel to other manufacturing sites in the UK for production support	E
• Occasional overseas travel	E
• Takes accountability	D

Please note that you may be asked to carry out tasks other than the above that are deemed by your manager to be appropriate, reasonable and within the remit of your role. You will be expected to carry out these ad hoc tasks as requested.

Employee name _____ Employee signature _____ Date _____

Manager name _____ Manager signature _____ Date _____

