

<b>Job title:</b>	<i>Electrical Design Engineer</i>
<b>Department:</b>	<i>Engineering, Electrical &amp; EV</i>
<b>Reports to:</b>	<i>Electrical Systems &amp; EV Manager</i>
<b>Responsible for:</b>	
<b>Location:</b>	<i>Dennis-Eagle Warwick</i>
<b>Hours of Work:</b>	<i>08:00 to 16:30 Monday – Thursday, 08:00 to 13:00 Friday</i>
<b>Closing date:</b>	<i>Indefinite</i>

### 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. All employees of our organisation are asked to represent our core values in all their business dealings, and candidates are required to demonstrate their understanding and commitment to representing these values. Our core values are Customer Focus, Entrepreneurial Spirit, Flexibility, Innovation, Integrity, Quality and Sustainability.



### Job Purpose:

Concept design and detailing of electrical systems and components.

### Main Duties and Responsibilities:

Ability to design electrical systems and components for heavy trucks. 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.

### Quality & Environmental Responsibilities:

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

Dennis Eagle Ltd is an equal opportunities employer and we welcome applications from all candidates.

If you have any queries or would like to apply for the role, please contact Alice Walden [alice.walden@dennis-eagle.co.uk](mailto:alice.walden@dennis-eagle.co.uk)

Criteria	Essential / Desirable
<b>Knowledge</b>	
• <i>Understanding of required quality levels for this type of business.</i>	E
• <i>Good detailed knowledge of a wide range of electrical engineering</i>	E
• <i>Schematic design</i>	E
• <i>Harness design</i>	E
• <i>ISO standards for EDS design</i>	E
• <i>Detailed knowledge of the design process behind a number of the manufacturing processes used</i>	D
• <i>VeSys and Zuken E3</i>	D
• <i>V model validation methods</i>	D
• <i>Six Sigma</i>	D
• <i>Knowledge of applicable regulations &amp; standards</i>	D
• <i>Vehicle systems we use on our product, software or hardware</i>	D
• <i>ISO26262 system design</i>	D
• <i>HGVs</i>	D
<b>Experience</b>	
• <i>Minimum 3 to 5 years' Engineering in a relevant industry</i>	E
• <i>Electrical Distribution Systems (EDS)</i>	E
• <i>Truck, Yellow Goods, or related product, chassis systems with similar product volumes and level of complexity</i>	E
• <i>Liaison with internal and external suppliers</i>	E
• <i>Engineering change control documentation</i>	E
• <i>10 years' experience in Engineering in a relevant industry</i>	D
• <i>Leading a team based design activity such as FMEAs &amp; Risk analysis</i>	D
• <i>Supervision of support engineers if and when allocated</i>	D
<b>Education / Qualifications</b>	
• <i>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.</i>	E
• <i>Masters Degree in Engineering related subject</i>	D
• <i>Member of recognised engineering institution, e.g. IEE</i>	D
<b>Job-related skills &amp; abilities</b>	
• <i>Ability to communicate (verbally &amp; written) at all levels in the business</i>	E
• <i>Well-developed problem solving techniques, 8D, A3</i>	E
• <i>Attention to detail</i>	E
• <i>DVP&amp;R (Design validation plan &amp; report) generation</i>	E
• <i>DFMEA participation</i>	D
• <i>Demonstrable workload/project management skills</i>	D
• <i>Training and coaching in engineering disciplines</i>	D
<b>Other requirements</b>	
• <i>Occasional overtime required</i>	E
• <i>Service support/ off site visits</i>	E
• <i>Occasional overseas travel</i>	E
• <i>HGV driving experience</i>	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 \_\_\_\_\_

