

Job title:	Electrical Design Engineer
Department:	Engineering
Reports to:	David Walker
Responsible for:	Design of electrical control systems for specialist recycling vehicles and associated equipment
Location:	Worksop
Hours of Work:	08:30 – 17:00 Mon - Fri
Closing date:	Ongoing

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:

- Design and detailing of electrical control systems, pneumatic systems and hydraulic systems for bespoke refuse and recycling vehicles including specialist bin lifts and associated equipment. Producing and updating Bills Of Materials and production of electrical works instructions. Writing PLC programmes using Codesys software including safety circuits in accordance with relevant performance levels and industry standards.

Main Duties and Responsibilities:

Work to industry and Engineering standards and practices

- Design of electrical systems and components for specialist recycling vehicles and associated equipment.
- Design of pneumatic and hydraulic circuits
- Writing and modifying PLC programmes using Codesys software
- Validation of safety circuit and control circuits to required performance levels
- Liaison with external suppliers.
- Compilation of Engineering Master Parts Lists (BOM), design release documentation and works instructions. Problem solving where required for associated systems / parts.

Team working and effective communications

- Able to communicate effectively with all levels within the company (written / verbal) Able to communicate effectively with external suppliers/customers
- Demonstrable team skills

- Open, honest and timely reporting of tasks

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

Criteria	Essential / Desirable
Knowledge	
Experience of electrical engineering principles.	E
Experience of electrical schematic design	E
Experience of writing PLC programmes using Codesys software or similar	E
Understanding of validating programmes and control systems in accordance with performance levels using Sistema software or similar	D
Knowledge of using AutoCAD or similar 2D drawing package	E
Demonstrates the ability to optimise quality/cost/timing	E
Working to ISO 9001 quality processes	E
Experience with trucks, Yellow Goods, or related products, with low volumes and high complexity	D
Understanding of hydraulic engineering principles and design	E
Understanding of pneumatic engineering principles.	D
Practical electrical engineering experience in a production facility	D
Experience	
5 years Drawing/design office experience.	E
Proficient using Autodesk AutoCAD or similar	E
Education / Qualifications	
HNC/HND/Degree or sufficient experience to demonstrate equivalent level of knowledge.	E
Job-related skills & abilities	
Ability to communicate (verbally & written) at all levels in the business	E
Proficient operator of Microsoft Office products	E
Other requirements	
Capable of multitasking in a busy environment	E
Attention to detail and completer / finisher	E
Ability to act on own initiative	E
Working within a team environment	E
Clear communicator	E
Attendance of relevant training courses off site	E
Required to measure/inspect in, around, under and on top of vehicles	E
Overtime required when needed	E
Ability & willingness to travel throughout the UK and possibly overseas when required	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 _____