

Job title:	Graduate Electrical Engineer
Department:	Engineering
Reports to:	Engineering Manager
Responsible for:	
Location:	TMUK Worksop
Hours of Work:	40hpw, between 08:30-17:00 Monday to Thursday
Closing date:	

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:

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 and amending PLC programmes using Codesys software including safety circuits in accordance with relevant performance levels and industry standards.

Main Duties and Responsibilities:

- Design of electrical systems and components for specialist recycling vehicles and associated equipment.
- Design of electrical looms for specialist recycling vehicles and associated equipment.
- Design of pneumatic and hydraulic circuits
- Writing and modifying PLC programs 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.



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 electrical engineering principles.	
• Understanding of electrical schematic design	E
• Understanding of writing PLC programmes using Codesys software or similar	D
• 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	D
• Working to ISO 9001 quality processes	D
• Understanding of hydraulic engineering principles and design	D
• Understanding of pneumatic engineering principles.	D
• Practical electrical engineering experience in a production facility	D

Experience	
• Minimum 1 year in a similar role in an industry of a similar nature	D

Education / Qualifications	
• BSc Degree in Engineering related subject	D
• HNC/HND in a Engineering related subject	E
• If candidate has no formal qualification as above relevant experience in a similar role where the candidate can demonstrate the necessary equivalent skills	E

Job-related skills & abilities	
• High attention to detail	E
• Written and verbal communication skills at all levels	E
• Use of Microsoft Office software	E
• Use of AutoCAD or similar software	D

Other requirements	
• Ability and willingness to travel when necessary in the UK and possibly overseas if required	E
• Operating equipment, climbing in/out/around vehicles	E
• Overtime required as and when needed to suit the business requirements	E

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 _____

