

Job title:	Mechanical Design Engineer
Department:	Engineering
Reports to:	David Walker
Responsible for:	Design and detail of specialist recycling vehicles and associated equipment
Location:	Workshop
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:

- Work to industry and Engineering standards and practices
- Concept, design and detailing of fabrications, mechanisms and components
- Team working and effective communications
- Ability to work without supervision to agreed timescales, budgets and constraints
- Ability to work in a multi-task environment

Main Duties and Responsibilities:

Work to industry and Engineering standards and practices

- Draughting practices to BS8888.
- Working knowledge of regulations, British Standards and codes of practice relevant to the equipment being designed
- Create and maintain Project Files with records of design calculations & assumptions
- Adherence to Company Standards
- Responsible for the management, compliance and upkeep of the quality & environmental procedures, records and documents relevant to the role

Concept, design and detailing of systems and components

- Ability to design equipment and components for specialist recycling vehicles
- Close liaison/concurrent activities with internal/external suppliers/customers
- Compilation of Engineering Master Parts Lists and design release documentation

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 as a member and as a leader
- Open, honest and timely reporting of tasks



Ability to mentor, Ability to work without supervision to agreed timescales, budgets and constraints

- Essential requirement to work without supervision to meet agreed deadlines in both team and individual activities.
- Ability to produce designs within agreed cost, weight and performance targets.

Ability to work in a multi-task environment

The Design Engineer must accept an agreed level of multi-tasking and take responsibility for prioritising within agreed time scales whilst having an awareness of wider business issues where priority conflicts arise

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	
Detailed knowledge of a wide range of mechanical engineering principles.	E
Component design and development from concept to production drawing release	E
Knowledge of moving mechanisms involving linkages, pivots and actuators to control.	E
Demonstrates the ability to optimise quality/cost/timing	E
Detailed knowledge of the design requirements for manufacturing processes	E
Understanding of quality processes	E
Trucks, Yellow Goods, or related products, with low volumes and high complexity	D
Hydraulic engineering principles	D
Pneumatic engineering principles.	D
Automotive engineering principles	D
Practical engineering experience in a production facility	D
Knowledge of using AutoCAD.	D
FEA experience	D
Experience	
3 to 5 years Drawing/design office experience.	E
Proficient using Autodesk Inventor 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 manage personal workload and timescales against tight project objectives on multiple activities	E
Ability to act on own initiative whilst maintaining the expected deliverables	E
Proactivity, generates solutions and makes decisions	E
Working within a team environment	E
Clear communicator	E
Takes accountability	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 _____

