

Job title:	Senior Mechanical Design Engineer
Department:	Chassis Team
Reports to:	Engineering Manager- Chassis
Responsible for:	n/a
Location:	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:

Be part of the team developing concepts, engineering, designing & validating our market leading future products.

Main Duties and Responsibilities:

- Identifying needs, setting requirements & defining problems
- Concept, design and detailing of systems and components
- Communicating design & requirements to internal & external customers
- Setting & overseeing the validation of the requirements
- Product launch support
- Engineering support for Production, to resolve issues with vehicles in build.
- Investigate field service issues, identify root cause and providing practical resolutions

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	
• Basic rounded Engineering knowledge	E
• Demonstrates understanding of stress, strain & fatigue and understands manual calculations	E
• Design methodology taking designs through the product lifecycle	E
• Material specifications	E
• Understanding of structures	E
• Applies BS8888 and creates good quality drawings	E
• Proficient in CAD, ideally Solid edge	E
• Proficient and accurate in BOM creation	E
• Fastener technology	E
• Pressed component design	E
• Welding procedures & design	E
• Working knowledge of basic hydraulics	D
• Familiar with design fundamentals of multiple vehicles systems	E
• Design for Manufacture & Assembly	E
• DVP&R	E
• Knowledge of vehicle regulations & standards	D
• 6 Sigma, Understanding of variability and capability	D
• Proficient in Microsoft office 365	E

Experience	
• 3-5 years relevant industry experience	E
• 10+ years relevant industry experience	D
• Relevant manufacturing processes	E
• Relevant experience/automotive knowledge including yellow goods	E
• Working with customers to develop & improve products	E
• Working with suppliers to develop & improve products	E
• Working as part of a high performing team	E
• Participates in FMEAs, risk & reliability analysis	D
• Problem solving	E
• Demonstrates an understanding of most of the key engineering systems/process used including steel structures, hydraulics, electrics etc.	E
• Has demonstrated learning from experience & being mentored	
• Demonstrates awareness of Cost/Quality/Time	E
• Understands and uses the engineering change process	E
• Finite Element Analysis	D

Education / Qualifications	
• M/BEng in Mechanical Engineering or equivalent	E
• HNC/HND/Apprenticeship in Mechanical Engineering or equivalent	E
• Chartered Engineer	D

Job-related skills & abilities	
• Takes ownership of individual tasks and works within guidelines to resolve within required timing without supervision	E



• Able to work autonomously	E
• Able to work as part of a x-functional team	E
• Calls design reviews when required to seek feedback	E
• Identifies the optimum solution	E
• Identified & applies the appropriate level of attention to detail	E
• Proactive, performs actions without being led and looks for the positive in the situation	E
• Manage own workload/plan effectively	E
• Communicates clearly in timely manner	E
• Writes technical reports	D
• Demonstrates use of tolerance stack up	E
• Promotes safe working practices in line with Health & Safety	E

Other requirements	
• Completes the job (Finisher), reliably	E
• Innovative in all areas of work	D
• Can do attitude	E
• Receptive of advice & using knowledge gained	E
• Works extra hours to complete activity when required	E
• Works to processes and procedures in place	E
• Supervision & coaching of peers	E
• Demonstrates leadership	D
• Takes accountability	E
• Field support in UK & overseas	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 _____

