

Job title:	<i>Systems Engineer</i>
Department:	<i>Engineering, Software and Control Team</i>
Reports to:	<i>Software and Control Team Leader</i>
Responsible for:	
Location:	<i>DE Warwick</i>
Hours of Work:	
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. 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:

- Systems engineering based development for electric vehicle applications
- Control development of electric vehicle functionality
- Software development delivering electric vehicle features
- Stakeholder requirements capture and dissemination down to software unit level
- Model/Software/Hardware in the loop testing
- Quality and environmental Responsibilities
- Align with legislation in terms of Functional Safety and Cyber Security

Main Duties and Responsibilities:

The main duties and responsibilities of the Systems Engineer is to:

- Run the bi-weekly sprint
- Responsible for the management, compliance and upkeep of the quality & environmental procedures, records and documents relevant to the role
- Provide System Composer models to the software team
- Support setting up of processes for Systems/Software
- Support Functional safety and Cyber Security requirements
- Support the creation of a set of requirements which form the basis of the software development lifecycle
- Support the implementation of tests procedures that enable validation and verification execution and reporting for all requirements

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	
• Development of automotive control systems	E
• Requirements capture from stakeholder to implementation	E
• Understanding of the 'V' development model	E
• Knowledge of the fundamentals of control theory	E
• Development of electric vehicles	D
• CAN Bus Protocol	D
• Highly skilled in System Composer/MATLAB/Simulink	D
Experience	
• Integration of automotive controllers, sensors and actuators.	E
• Functional Safety and ISO 26262	D
• Cyber Security and ISO 21434	D
• Systems Engineering	D
• Agile/Scrum/Sprint Practices	D
Education / Qualifications	
• Minimum qualification degree in relevant engineering subject	E
• 2-3 years industrial experience	E
• 5 years industrial experience	D
• Member of Systems Engineering/INCOSE	D
Job-related skills & abilities	
• Well-developed problem solving techniques	E
• Ability to communicate technically complex subjects	E
• Embedded controller configuration/programming	D
• Vehicle diagnostic tools	E
• Open and approachable	D
• Model based embedded software engineering	D
• Good understanding of mechanical, pneumatic, electrical and hydraulic systems	D
• Strong team work ethic	E
• Ability to work to tight timescales	E
• Excellent attention to detail	E
• Positive attitude	E
Other requirements	
• Occasional overtime	E
• Engineering support/off site visits	E
• Visits to other companies for engineering integration	E
• Occasional overseas travel	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 _____