

<b>Job title:</b>	Software & Control Team Leader
<b>Department:</b>	Software & Control Team
<b>Reports to:</b>	Chief Engineer – New Technology
<b>Responsible for:</b>	Delivery of Embedded Software
<b>Location:</b>	Dennis Eagle Warwick
<b>Hours of Work:</b>	37 hours per week
<b>Closing date:</b>	

### 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:

We need an experienced team leader who can take pro-active ownership of software for both in-house developed systems and third party supplied software-based systems. Reporting to the Chief Engineer – New Technology the jobholder is expected to provide leadership, vision, insight and motivation for the team in order to deliver high quality control system and embedded software work products. The role also includes significant involvement in group wide production software support, cyber security and functional safety activities.

### Main Duties and Responsibilities:

- Software development of an electric vehicle application
  - Utilisation of MATLAB/Simulink for software development of an electric vehicle
  - Using 'best practice' for software architecture and coding
  - Utilisation of software tools to verify code coverage and software structure
- Software code generation for deployment in a rapid prototyping unit (RPU)
  - Utilisation of code generation and post processing tools to generate application code
  - Aiding in hardware in the loop (HIL) tests/structure
- Requirements capture
  - Support the creation of a set of requirements which form the basis of the software development lifecycle
  - Support the implementation of a set of tests in software that enable the requirements to be tested and reported upon
- Assist with Cyber Security and Functional Safety analysis, implementation and testing



### **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](mailto:recruitment@dennis-eagle.co.uk)



Criteria	(E)ssential / (D)esirable
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<b>Knowledge</b>	
• Requirements capture from stakeholder to implementation	E
• Understanding of the V development model	E
• Deep understanding of both Agile and Waterfall software delivery requirements	E
• Knowledge of ISO26262	E
• Software test environments; Processor/Model/Software/HiL/Vehicle-in-the-Loop,	D
• Knowledge of ISO21434	D
• Knowledge of ASPICE	D

<b>Experience</b>	
• Automotive development of embedded software	E
• Automotive development of control systems	E
• Skilled in Matlab/Simulink	E
• Embedded software delivery into a production environment	E
• Build processes with hand and automated embedded code generation	E
• Leadership of technical delivery teams	E
• Requirements capture and change management	E
• Close working with other technical delivery teams, including workshop and production	E
• Management of technical delivery budgets	D
• Development of control systems for electric vehicles	D
• Outsourcing of software related work packages on deliverables basis	D
• Development of embedded controller hardware	D

<b>Education / Qualifications</b>	
• Minimum qualification degree in Software/Electronics Engineering or related	E
• 10 years industrial experience (doesn't need to be continuous)	E

<b>Job-related skills &amp; abilities</b>	
• Well-developed problem solving techniques	E
• Planning and management of software delivery into large project teams	E
• Ability to communicate technically complex subjects	E
• Ability to manage technical team members	E
• Ability to work to tight timescales	E
• Excellent attention to detail	E
• Positive attitude	E
• Technical project management	D
• Open and approachable	D
• Stakeholder management	D
• Well-developed problem solving techniques	E

<b>Other requirements</b>	
• Occasional overseas travel	E
• Visits to other companies for engineering integration	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 \_\_\_\_\_

