Systems Engineer - EV - Northern Ireland - £35k to £55k

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Company: EVEREC

Location: Northern Ireland

Category: other-general

Systems Engineer - EV - Northern Ireland - £35k to £55kOne of my key clients working in the EV / Batteries / Mobility Sector is recruiting for a skilled and motivated Systems Engineer to join their Electrical and Electronics team based in Northern Ireland. The company is a cutting-edge company dedicated to advancing sustainable transportation solutions through innovative engineering and technology.The company is seeking a talented Systems Engineer to join our dynamic team. The ideal candidate will play a critical role in the design, integration, and optimisation of complex systems for our electric propulsion projects, contributing their expertise to ensure the seamless operation and performance. As a Systems Engineer, you will collaborate closely with cross-functional teams to deliver innovative solutions that push the boundaries of new technology.Systems Engineer£35k to £55k (Negotiable Depending on Experience)Northern IrelandHybrid WFH - Mainly on SiteResponsibilities:System Architecture Design: Lead the design and development of system architectures for electric propulsion systems, including power distribution, control systems, and communication networks, to meet project requirements and performance objectives.Requirements Analysis: Work closely with stakeholders to gather and analyse system requirements, translating user needs into technical specifications and design criteria for implementation.Subsystem Integration: Coordinate the integration of subsystems and components, ensuring compatibility and functionality across mechanical, electrical, and software interfaces.Performance Optimization: Conduct thorough analysis and modelling of system behavior to identify optimization opportunities and improve efficiency, reliability, and performance.Risk Management: Identify and mitigate technical risks associated with system

design and integration, implementing proactive measures to ensure project success and compliance with safety standards.Testing and Validation: Develop comprehensive testing procedures and protocols to validate system performance and functionality, collaborating with testing teams to conduct verification and validation activities.Documentation and Reporting: Prepare detailed technical documentation, including system architecture diagrams, specifications, and test reports, to communicate design decisions, findings, and recommendations effectively to internal teams and stakeholders.Cross-Functional Collaboration: Collaborate closely with multidisciplinary teams, including electrical engineers, mechanical engineers, software developers, and project managers, to achieve project goals and milestones effectively.Key Skills & Experience:Bachelor's degree or higher in Systems Engineering, Electrical Engineering, Mechanical Engineering, or a related field; advanced degree preferred.Proven experience (3 years) in systems engineering, preferably in the aerospace, automotive, or marine industry.Strong proficiency in systems engineering principles, methodologies, and tools, such as requirements management, system modeling, and simulation.Experience with system modeling and simulation software (e.g., SysML, MATLAB/Simulink, Modelica) is highly desirable.Knowledge of electric propulsion systems, power electronics, control systems, and communication protocols.Excellent analytical and problem-solving skills, with a keen attention to detail.Effective communication and interpersonal skills, with the ability to collaborate effectively in a team environment.Familiarity with regulatory standards and certification requirements for marine systems is a plus.If this is of interest please apply on LinkedIn or email jake.livermore@everec.co.uk

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