

Job Specification

Control Systems Engineer

We are looking for a highly skilled Control Systems Engineer to join our dynamic team at a leading marine engineering consultancy. In this role, the successful candidate will play a pivotal role in designing and implementing cutting-edge systems infrastructure. As we take pride in our working environment and the quality of work produced, this is an opportunity to contribute your expertise to a rapidly growing consulting company.

Role and Responsibilities

- Spearhead the design and implementation of robust control systems architecture to meet the unique needs of our marine engineering projects.
- Evaluate and recommend innovative hardware and software solutions to optimise system performance in the maritime domain.
- Implement security focused design to safeguard critical maritime systems and data.
- Ensure systems comply with industry regulations and internal security policies relevant to marine engineering.
- Collaborate seamlessly with cross-functional teams, including marine engineers and Naval Architects.
- Stay at the forefront of emerging technologies, ensuring our systems remain scalable, and secure in the ever-evolving marine engineering landscape.

Skills and Abilities

- A proven application of Control System Engineering and System Engineering Processes and Practices, including knowledge of Systems Lifecycle.
- Understanding of networking protocols, configuration, and troubleshooting.
- A demonstrated experience of design and implement robust and scalable systems architecture.
- Understanding of cybersecurity principles and best practices.
- An ability to work with combinations of technologies, to integrate and verify them in a logical and structured way into a system in order to fully satisfy a customer's requirement.
- Experience in autonomous vehicle control or comparable field.
- Understanding of methods such as hardware in the loop testing, simulation of embedded systems, SCADA and PLC programming.
- Capability to participate in trials, troubleshooting and solving issues as they arise.
- Excellent communication skills, both verbally and written, with the ability to present and explain technical and complex problems, tailored appropriately for the audience.
- Thorough documentation skills to record system configuration, processes, and procedures.
- Demonstrated ability to scope, plan and manage complex projects.
- Ability to contribute to the technical development of junior engineers.
- 5+ years of relevant industry experience.
- Minimum of a Bachelor Degree (BEng, BSc) in a Numerate, Scientific or Engineering subject or Higher/equivalent training and experience.
- Ability to obtain SC level security clearance.