JOIN OUR TEAM!

SENIOR SYSTEMS ENGINEER

The role

As Senior Systems Engineer you will manage and lead the technical integration of all electronic equipment and systems into SEA-KIT's newly-built uncrewed surface vessels (USVs).

You will work with cross-functional teams developing, fitting, integrating and testing systems to achieve high-performing, technically reliable USVs. You will be Technical Author for onboard equipment documentation and oversee rigorous quality assurance processes for USV development.

SEA-KIT's head office and manufacturing yard is based in Tollesbury, Essex.

Responsibilities

- Manage and provide technical leadership to the USV build and integration team, ensuring alignment with the company's overall strategic goals.

- Responsible for technical integration of electronic equipment into all vessels build projects within SEA-KIT.

- Manage and coordinate the execution of multiple USV projects simultaneously, ensuring adherence to project timelines and budgets.

- Collaborate with cross-functional teams, including software development, hardware engineering and testing, to achieve project milestones.

- Be the Technical Author for onboard equipment documentation. Creating high level technical documentation on vessel procedures, layout, equipment usage and operator guidance.

- Establish and maintain rigorous quality assurance processes for USV development, including thorough testing protocols and validation procedures with the testing team.

- Ensure that all vessels meet or exceed safety and performance standards for relevant department items.

- Stay abreast of the latest advancements in autonomous vessel technology and identify opportunities for innovation within the USV domain.

- Provide support to on-site engineers and end users/customers including troubleshooting system problems and manning the technical support line as and when required to cover holidays for team members.

- Recruit, train and mentor a high-performing technical team. Building the team to fulfil business objectives.

- Foster a culture of collaboration, innovation, and continuous improvement within the technical department.

Who we're looking for

You have a Bachelor's degree in a relevant technical field (e.g., Engineering, Computer Science) and/or real world experience/appropriate apprenticeships, etc.

You have a genuine interest in autonomous vessel technology, and a strong, multi-discipline understanding of marine technology, alongside exceptional problem-solving abilities.

You have experience with coding PLC's or microprocessors, and with HMI systems. You have a working knowledge of communications protocols (RS232/422, NMEA, Can-bus, J1939) and communications systems (Satcom, Iridium, LTE, RF/Wifi), as well as Linux/Python scripting and CAD design.

You enjoy getting hands-on with technical tasks, which is an essential aspect of the role. You also have excellent communication skills, and the ability to work collaboratively in a team.

You may be on call outside office hours, and need to be flexible in case of major technical problems occurring.

What we offer

SEA-KIT's vision is to be a world-class provider of high technology solutions to the maritime and research industries and to open new fields and classes of technology to solve the problems of the future, today.

SEA-KIT provides a positive and dynamic work environment. You will gain immersive experience, where you will be at the forefront of cutting-edge technology, with opportunities to stretch and develop yourself whilst contributing to the emerging market of carbon-reducing uncrewed surface vessels.

How to apply

For more information, visit our Careers page at: www.sea-kit.com/careers

To apply, please send a full CV and a covering letter to: careers@sea-kit.com.