

Control Systems Engineer

Are you a skilled Control Systems Engineer with a passion for innovation in the energy sector? Semco Maritime invites you to be part of our dynamic control systems team in Aberdeen. We are proud to be Siemens solution partners and actively involved in cutting-edge projects such as Carbon Capture and Storage (CC&S) and Power-to-X (PtX). If you excel in PLC programming and HMI/SCADA development, this could be your next career move!

About Us:

Semco Maritime is a leading international engineering and contracting company dedicated to delivering innovative solutions in the energy sector. Operating globally and headquartered in Esbjerg, Denmark, Semco Maritime is committed to driving the green transition and responsible fossil fuel extraction processes.

With approximately 2,200 employees across Denmark, Norway, the UK, Germany, Poland, Singapore, and the US, we offer a dynamic and collaborative work environment where innovation and professional growth are encouraged.

Role Overview:

Working within the systems team, you will play a crucial role in designing, developing, and implementing control systems for our energy projects. Based in our Westhill office, you will work collaboratively with multidisciplinary teams to deliver innovative solutions in both conventional and renewable energy sectors. Your expertise will contribute to projects involving Carbon Capture and Storage (CC&S) and Power-to-X (PtX), positioning Semco Maritime at the forefront of the global energy transition.

In this role, you will be responsible for the full lifecycle of control system projects, from initial design and specification to testing, commissioning, and ongoing support. You will engage with clients to interpret their requirements, ensure compliance with industry standards, and provide technical knowledge throughout the project. This position offers a dynamic and varied workload, with opportunities for on-site and offshore work, allowing you to apply your problem-solving skills and technical knowledge in real-world settings.

Join our team and be part of a company that values innovation, professional development, and the pursuit of sustainable energy solutions.

Key Responsibilities:

- Development of design specifications based on customer requirements.
- Produce comprehensive project documentation, including specifications and technical reports.
- Take technical responsibility for assigned tasks and actively participate to design reviews.
- Program, test and commission control systems to ensure compliance with applicable standards and specifications.

- Diagnose and resolve control systems faults, providing support both on-site and remotely.
- Participate in the systems team on-call support rota to address urgent client needs.
- Foster the growth and development of the systems engineering team through knowledge sharing and mentorship.
- Contribute technical expertise and insights to support business development initiatives.

Skills and Experience:

Essential

- Demonstrated expertise in control and/or safety system applications within the energy sector.
- Comprehensive experience throughout the project lifecycle, including design, installation, commissioning and ongoing client support.
- Proficient in various communications protocols such as Profinet, Profibus, TCP/IP Ethernet and Modbus.
- Highly proactive and motivated self-starter with excellent analytical and problem-solving capabilities.
- Strong organisational, interpersonal and communication skills.

Beneficial

- Strong understanding of Functional Safety Management standards (IEC 61508 & IEC61511).
- Proficiency in configuring HMI and SCADA packages.
- Previous experience working with Siemens TIA Portal, Emerson PAC ME, Rockwell RSLogix / Studio 5000 or GE Cimplicity.

Education and Qualifications:

- Degree/HND in a relevant subject or equivalent experience.
- Experience in an engineering environment, ideally within the energy sector.

Why Semco Maritime?

Engage in a variety of challenging projects with opportunities for professional growth.

Opportunity to participate in innovative CC&S and PtX projects, contributing to sustainable energy solutions.

Enjoy a dynamic working environment with training and support for your career development.

Mobility Requirements:

Willingness to travel nationally, internationally, and offshore as required by project demands.