



# FERITECH

Innovative engineering for extreme global environments

<b>Job title:</b>	Embedded Software Engineer
<b>Reports to:</b>	Design Manager
<b>Location:</b>	Falmouth UK
<b>Contract:</b>	Permanent
<b>Hours:</b>	37.5hrs per week
<b>Annual Leave:</b>	20 days plus bank holidays (28 days total), increasing by 1 day per year up to a maximum of 33 days.
<b>Salary:</b>	£30,000 to £55,000/year dependent on experience

## Company Profile

Feritech Global Ltd (Feritech) is an independently owned industry-leading engineering company that specialises in supplying innovative solutions for subsea and harsh environment application. All our equipment is designed, manufactured and supported in-house at our marine base near Falmouth in Cornwall. The company is growing at a steady pace in response to demand for its innovative range of stock and bespoke products and solutions.

## Summary

Our rapidly expanding subsea engineering company is looking for a methodical, proactive, embedded software engineer who is passionate about providing effective, innovative products. Candidates will work directly with our existing electrical engineers to develop globally recognised equipment and class leading subsea exploration solutions.

Feritech requires people who are motivated to deliver high quality work and will integrate with existing team members. Across all our engineering roles we need people with a keen interest in continuous learning, who will approach problem solving with an open mind, and enjoys technically challenging software projects. Candidates must be familiar with sharing ideas and will also be expected to consult on projects in which their area of expertise is the principal factor required to delivering a great service/product. Other standard skills required of anyone working for Feritech include good communication skills, strong documentation and writing skills, the ability to work well both independently and in a team, as well as compelling multitasking skills and the capacity to use your initiative.

## Responsibilities

- Design & implement software of embedded devices & systems, from conception through to production & commercial deployment.
- Design, develop, code, test and debug system software.
- Review existing code and design.
- Analyse and enhance efficiency, stability and scalability of system resources.
- Integrate and validate new product designs.
- Support software QA and optimize I/O performance.
- Provide postproduction support.
- Interface with hardware design and development.
- Assess third party and open source software.

## Preferred Prerequisites

- A minimum of two years relevant industry experience is desirable. However, graduates with strong skills should also apply.
- We are looking for a candidate with a suitable engineering degree or vocational qualification (HND/HNC)
- Experience in hands-on development and troubleshooting on embedded targets.
- Proven experience in embedded systems design with pre-emptive, multitasking real-time operating systems.
- Familiarity with software configuration management tools, defect tracking tools, and peer review.
- Excellent knowledge of OS coding techniques, IP protocols, interfaces and hardware subsystems.
- Adequate knowledge of reading schematics and data sheets for components.
- C/C++ development for embedded electronic systems.
- Ethernet, RS485, CAN and Bluetooth.
- Software life cycle management.
- Some experience of building or working with test rigs or apparatus to test products.
- You must have real-time 32-bit embedded software experience and a good knowledge of electronic hardware systems.

This is an exciting role, offering you responsibility and rewards from day one. You get the opportunity to accelerate a new product into the market, whilst working in an exciting team and having a significant impact on the future direction of the company.

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