We are Hiring!

PROTEUS MARINE RENEWABLES

Location: Bristol | Permanent, Full-time
Reporting to: Head of Product Applications
Salary: £32,000 | Start date: July/August 2025

Careers that power change!

Proteus Marine Renewables is on a mission to deliver clean, predictable energy from the ocean. We design and deploy innovative tidal turbines that are already generating power for national grids across two continents — a world-first for the sector. As we expand and reach new milestones, we offer the opportunity to join a fast growing team where you'll work closely with experienced colleagues, take real ownership of your projects, and contribute to delivering industry-leading results.

If you're looking for a career where you can grow, innovate, and make a real-world impact, Proteus is the place to do it.

What we offer

Core Benefits
- Competitive salary packages
- Phone allowance
- Annual salary review
- Pension and retirement contributions
- Performance-based bonus scheme and stock options scheme (introduced in 2025)

Work Life Balance
- Hybrid and office working
- Family-friendly policies (maternity, paternity, parental leave)

Professional Growth
- Career development opportunities and conference attendance

Well-being and Culture
- Supportive, inclusive culture with team socials and company offsites
- A meaningful mission and commitment to sustainability

Your role at Proteus

In this role, you'll contribute to the development of Proteus's tidal turbine technology by running loading simulations and numerical modelling studies. Your work will help improve understanding of loads sustained by the turbine and the environment in which it operates.

You will also assist in subsystem testing and the design of the turbine controller through the provision of load data and optimisation of its design.

Responsibilities

- Create and maintain Tidal Bladed models based on the evolving turbine design
- Run tidal blade load assessment studies
- Write formal reports documenting load assessments and findings
- Analyse environmental conditions at tidal sites by postprocessing ADCP, bathymetry and wave modelling data to parameterise loading simulations.
- Support the turbine development process, from design through to commissioning and operation
- Assist with developing an in-house Simulink-based load modelling code

- Participate in testing and commissioning activities
- Assist in monitoring operational subsea assets and feed learnings back into design
- Develop algorithms and software for load modelling, turbine health modelling, performance assessment and control, with an aim of reducing the Levelised Cost of Energy (LCoE) of the turbine.
- Represent Proteus at technical meetings and sector conferences
- Support ongoing collaborations with university partners and research students

What we are looking for?

This role is ideal for a curious and driven graduate or early-career engineer who thrives in a dynamic environment and wants to make a tangible impact.

Essential

- A degree level qualification in engineering or similar technical subject, with specialism in numerical modelling with upper second or first class honours
- Proficiency in Matlab, Simulink, and scripting languages
- Confident with Microsoft Office tools (Word, Excel, PowerPoint)
- Organised, adaptable, and comfortable with changing priorities and own workload to meet often conflicting deadlines
- Enthusiastic and motivated, with a collaborative mindset

Desirable

- Relevant engineering work experience
- Fluency in French or Japanese

How to apply

Send your CV and a short cover letter to applications@proteusmr.com with the subject line - Loads & Modelling Analyst

For more information: wwww.proteusmr.com