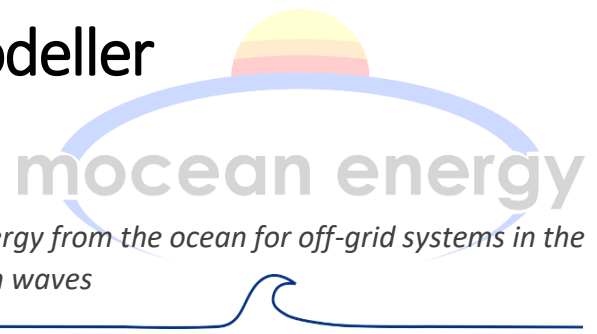


Job Opportunity: Numerical Modeller

Mocean Energy Ltd
Edinburgh, Scotland



Mocean Energy is creating products that provide renewable energy from the ocean for off-grid systems in the ocean. Our core technology is for harnessing energy from ocean waves

Overview

Mocean Energy is seeking to hire a graduate numerical modeller to assist in our wave energy converter (WEC) numerical modelling and design activities.

About Mocean

Mocean Energy is a start-up WEC developer founded in 2015 and based in Edinburgh, Scotland. Our core technology is a hinged raft WEC with a novel geometry that increases energy production by a factor of 3 compared to conventional designs. Although it does not show the latest improvements, more can be found: moceanenergy.com/technology.

The Mocean team is small, but our ambitions are large. Joining us will give you the opportunity to be part of an exciting technology development from its early days with tremendous potential for company and career growth.

Timeframe

Permanent position. Rolling application. We will close the application once we have hired someone.

Location

Mocean Energy offices in Edinburgh, Scotland.
Must have right to work in UK.

Salary

Based on experience

Duties

Assist in our development and maintenance of software and numerical models to support the design of novel WECs.

- Run numerical hydrodynamic models and numerical optimisations.
- Develop numerical models based on physics, including writing code.
- Maintain the code base, including comments, unit tests and source control.
- Validate numerical outputs against physical tank tests.
- Set up computing hardware and software.
- Incorporate engineering requirements into the design process.
- Write reports for both internal and external audiences on outcomes.

Requirements

	Required	Preferred
Education	Masters. Physics, mathematics, science, engineering.	PhD. Ocean engineering. Naval architecture. Wave theory.
Work Experience	None.	Engineering or software development.
Numerical Modelling	Experience with modelling physical systems	WAMIT or similar.
Programming	Experience with object-oriented programming	MATLAB, Simulink, C#, Git.
CAD	Familiarity with CAD	Rhino3D
Communication	Fluency in English	Experience writing reports or papers.

Apply

Send a CV and cover letter to Cameron McNatt at admin@moceanenergy.com. Subject: NM Job Application