

Vacancy at blueOASIS

Job title: Maritime and Ocean Renewables Numerical Modelling Engineer

Company short presentation

blueOASIS (<https://blueoasis.pt/>) is a young and growing company focusing on developing sustainable solutions for the blue economy. blueOASIS is working on three scopes: numerical analysis for offshore renewable energies, acoustics, and digital twinning. The Maritime and Renewables team is looking for a new engineer focused on numerical modelling of offshore structures.

Role description:

- Analysis of offshore structures and/or moorings using numerical modelling tools, e.g. floating offshore wind turbines, aquaculture systems, offshore vessels
- Analysis of ship hydrodynamics and performance, e.g. resistance, propulsion, seakeeping

Expertise needed:

- Msc or PhD in relevant engineering background (mechanical, aerospace, naval architecture)
- Relevant background to the role description
- Good knowledge of Orcawave/OrcaFlex or similar
- Skilled in python (script development)
- English at working level

Added value (not mandatory):

- Experience with OrcFxAPI
- Experience with offshore wind simulation tools (QBlade, OpenFAST, etc)
- Affinity with HPC, Linux, Github
- Interest in CFD for maritime/offshore applications
- Interest in Underwater Acoustics, AI, or Digital Twinning

Conditions:

- Work mostly at Ericeira main office with possibility of Azores (Faial/Terceira).
- 4 days minimum per week in the office.
- 40h week
- 1 year contract with trial period.
- Salary range depending on experience (1750€ to 3000€ gross per month, 14 salaries per year), plus the following:
 - Food allowance 211€ net per month (11x months per year)
 - Private health insurance.
 - Public transportation pass for Lisbon area (Navegante Metropolitano)
- 23 days of vacation, plus Christmas week.

Application process:

Is this job for you? Contact the Maritime & Renewable team lead António Maximiano (amaximiano@blueoasis.pt) and send your CV and motivation letter. Please include the following subject: Maritime and Ocean Renewables Numerical Modelling Engineer.