



SENIOR GEOTECHNICAL ENGINEER – Edinburgh, UK

Sustainable Marine provides innovative anchoring and mooring solutions to support floating wind, wave, tidal and other renewable energy applications on an international scale. Sustainable Marine's anchoring offering, under the Swift Anchors brand, enables mooring and seabed fixity of equipment in a range of challenging substrates. Swift Anchor's offerings cover a range from drilled, direct embedment rock anchoring solutions to helical piles.

The Opportunity

An exciting opportunity has arisen for an experienced Geotechnical Engineer based within the Edinburgh office in Leith to drive forward the geotechnical development of Swift Anchor's innovative anchoring portfolio. Reporting to the Principal Engineer (Subsea Systems), the role is offered in a permanent / staff capacity and will involve domestic and international travel.

Main Duties / Responsibilities:

- Geotechnical design of anchor solutions for rock and soft substrates
- Desktop and on-site geological assessment of sites
- Analysis and logging of retrieved core samples
- Site investigation specification
- Lead for geotechnical development of foundation systems
- Industrial supervisor for PhD research student
- Geotechnical modelling using FE codes
- Computer Aided Modelling and Drafting
- Numerical modelling using MATLAB software
- Technical planning and management of anchor testing programmes
- Travel in support of site investigations and offshore works within the UK and internationally

The Requirements

The ideal candidate will have demonstratable engineering experience in the geotechnical engineering and offshore construction industries. Strong engineering skill set which combines a strong theoretical background in rock and soil mechanics, with hands-on experience of the practical issues of offshore geotechnical works. Experience of geological classification, core sampling and site investigation works to specification.

- Minimum 2:1 BEng (Masters level preferable) level qualification in Civil or Geotechnical Engineering.
- At least 3 years relevant experience working within a design office, engineering consultancy or contractor; ideally in the design and construction of foundation systems.
- Relevant practical experience working in offshore SI and/or offshore construction.
- Experience in numerical and parametric modelling techniques.

- Excellent computer skills and experience in the usage of software packages including: Autodesk Inventor, AutoCAD, MATLAB, ANSYS and other FE packages.
- Excellent written and oral communication skills.
- Exceptional inter-personal skills, ability to work within a highly motivated small team, with a positive can-do attitude.
- Strong desire to achieve results.
- A willingness to 'open the box' on design issues, identify both commercial and technical design drivers, their interdependencies, and clearly articulate them.
- Wishes to be part of an ambitious and dynamic organisation.
- Able to work unsupervised, with excellent time management skills, and ability to meet deadlines.

In return, you will join a multi-disciplinary team in an entrepreneurial business and work alongside some of the best engineers in the industry, within a sector which is truly ground-breaking and which offers global potential for growth.