

Position Description

Job Title:	Senior Electrical Engineer
Office:	Pembroke Dock, Wales
Employment Type:	Full Time, Employee
Salary:	To be negotiated
Start Date:	January 2022
Line Manager:	Head of Engineering

Overview

Founded in 2012, Bombora is an award-winning ocean energy company with origins in Perth, Western Australia, now based in Pembroke Dock, Wales. Our innovative mWave converters will deliver clean, sustainable, utility scale electricity. Bombora wave farms will assist countries all over the world in their efforts to combat climate change and address their Net Zero commitments.

In 2022 Bombora will deploy its first full scale mWave into the waters off Pembrokeshire. We are also working with TechnipFMC and MOL to develop a floating wind and wave machine which will lead to the commercialisation of our technology.

Bombora is a dynamic and growing company, offering an excellent career opportunity for talented engineers interested in renewable energy.

Profile Description

Bombora is seeking a Senior Electrical Engineer with experience of innovative marine energy projects. They will be responsible for the design and delivery of the electrical elements of the mWave technology. The successful candidate should be qualified to work with HV systems and have experience of the technical and commercial issues related to connecting new generators to the grid.

The successful candidate will be UK based, preferably in west Wales or southwest England. They will be able to work from home but should be prepared to travel regularly to meet other members of the team or the supply chain.

Main Responsibilities

- Act as the lead engineer with regards to the design of electrical elements of the mWave machine. In particular, this role will be responsible for developing the Power Take Off (PTO) system.
- Lead all testing of the electrical systems.
- Collaborating with and influencing suppliers to ensure that they implement quality control systems that meet our exacting requirements.
- Develop and implement a quality plan to ensure that the electrical elements of the machine meet the specified requirements.
- Managing contracts to deliver the electrical elements of the mWave machine on time, to budget and in accordance with the high quality standards required.

- Manage the interfaces between the electrical aspects of the machine and the remainder of the project.
- Lead the design of electrical infrastructure required to connect to the grid.
- Take a leading role in discussions with grid regulators and operators.

Qualifications & Experience

- Degree in Electrical Engineering or similar.
- Membership / Chartered status.
- Extensive experience with the design and build of LV / HV systems.
- Good experience of design and manufacturing for marine applications.
- Good experience of assembling and testing machines.
- Evidence of significant contract management experience required.
- Experience of connecting new generators to the grid.
- Experience at designing and implementing quality control systems for manufacturing processes.
- Highly conversant with Microsoft Office applications, preferably Office 365.
- Full and Current EU Drivers Licence

Required Competencies

- Good communication skills. Good spoken and written English.
- Able to work as part of a team and organise own workload to meet deadlines.
- Excellent understanding of UK HSE law and industry best practice.
- Excellent practical understanding of system testing.
- Excellent understanding of the issues related to operating machinery in a subsea environment.
- Excellent leadership ability and good negotiating and influencing skills.
- Good analytical, communication, organisational and QA/QC skills.
- Ability to work proactively and take guidance where necessary.
- Good stakeholder engagement

Line of Reporting

The Senior Electrical Engineer reports directly to the Head of Engineering.

How to Apply

Applicants should submit an up to date CV together with a covering letter explaining why you are interested in the role and what relevant experiences you have. You should also provide names and addresses of two people that will act as your referees, one of which should be a business/professional contact. We will only approach them if you are successful in your application.

Applications should be emailed to recruitment@bomborawave.com. Please list the job title in the subject field. All applications must be received by 5pm on 16th December 2021.

Further Information

Bombora is an equal opportunities employer and has a proactive approach to parents with childcare responsibilities.

We also actively support Welsh language speakers and on request we can provide any of our documentation in Welsh. Please visit our website for further information.