



# Position Description

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<b>Job Title:</b>	<b>Senior Electrical Engineer</b>
Office:	Pembroke Dock, Wales
Employment Type:	Full Time, Employee
Salary:	To be negotiated
Start Date:	June 2019
Line Manager:	Dave Rigg, COO

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## Company Overview

Founded in 2012, Bombora is an award-winning ocean energy company from Western Australia, now with headquarters in Pembrokeshire, Wales. Our innovative mWave converters are designed to deliver environmentally friendly, large scale energy for national electricity grids. Bombora wave farms are intended to be deployed in coastal locations throughout the world. Bombora strives to create renewable energy solutions with a positive impact on our environment and our community.

## Profile Description

Bombora is seeking a Senior Electrical Engineer with experience of innovative marine energy projects. They will be based out of Bombora's Pembroke Dock offices and will be responsible for the design and delivery of the electrical elements of the first mWave device. Preferably, the successful candidate will have experience of the technical and commercial issues related to connecting new generators to the grid.

## 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.
- Review and critique electrical design documentation
- 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.
- Negotiate and manage commercial terms with suppliers of electrical elements.
- 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.
- Membership / Chartered status.

- Experience with the design and build of LV and HV systems.
- 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 manufacturing processes.
- 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 Chief Operations Officer.

### **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 invited to interview.

Applications should be emailed to [recruitment@bomborawave.com](mailto:recruitment@bomborawave.com). Please list the job title in the subject field. All applications must be received by 7<sup>th</sup> June 2019.

### **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.