



Position Description

Job Title:	Senior Mechanical Engineer
Office:	Pembroke Dock, Wales
Employment Type:	Full Time, Employee
Salary:	To be negotiated
Start Date:	March 2021
Line Manager:	Chief Operations Officer

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 deliver environmentally friendly, large scale energy for national electricity grids. Bombora wave farms can 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.

In 2021 Bombora will deploy its first full scale mWave into the waters off Pembrokeshire.

Profile Description

Bombora is seeking a Senior Mechanical Engineer with experience of working on innovative projects within the marine industry to support the development of the company's ground-breaking wave energy technology. The successful candidate will be UK based, preferably in Wales or the south west. 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. They will be responsible for the design and delivery of test rigs and the mechanical elements of the next generation mWave device.

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

Main Responsibilities

- Responsible for the design of test rigs and mechanical elements of the mWave machine.
- Develop and implement a quality plan to ensure that the mechanical elements of the machine meet the specified requirements.
- Managing contracts to deliver the mechanical elements of the mWave machine on time, to budget and in accordance with the high-quality standards required.
- Manage the interfaces between the mechanical aspects of the machine and the remainder of the project.
- Advise on machine assembly procedures.



Qualifications & Experience

- Degree in Mechanical Engineering.
- Membership / Chartered status.
- At least 8 years of experience of mechanical design and manufacturing for marine applications.
- Significant experience of designing and building test rigs.
- Significant experience of integrating sensors and electrical systems into test rigs or machines.
- Significant experience of contract management.
- Experience at designing and implementing quality control systems for manufacturing processes.
- Significant experience at using mechanical design packages such as CAD and FEA.
- 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.
- Good analytical, communication, organisational and QA/QC skills.
- Ability to work independently, proactively and take guidance where necessary.

Line of Reporting

The Mechanical 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. Please list the job title in the subject field. All applications must be received by 5th February 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.

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