



Position Description

Job Title:	Membrane 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 Membrane Engineer with extensive experience in the development and manufacturing of large elastomeric products. This role will be vital to the successful 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 supporting the membrane development programme which will produce the next generation membrane.

Because the membrane is central to Bombora's proprietary mWave technology, this role has the potential to grow with the company, offering an excellent career opportunity.

Main Responsibilities

- Responsible for the design of the membrane, including the material selection, structural design and manufacturing process.
- Responsible for designing a development programme that incorporates testing to verify all design decisions.
- Develop and implement a quality plan to ensure that the membrane is delivered in accordance with the specification.
- Liaise with the supply chain to ensure the membrane programme makes best use of the latest materials, manufacturing processes and that Bombora builds a strong and flexible network of suppliers around this product.
- Collate, process, and make judgement on results from any membrane testing – including the observations from the full-scale testing in Pembrokeshire.



Qualifications & Experience

- Masters degree in material science and engineering, chemical engineering, or polymer engineering.
- Membership / Chartered status.
- At least 8 years of experience of designing elastomer products, elastomer compounds and testing.
- Experience with using FEA tools in elastomer product design.
- Significant experience of manufacturing large elastomer products and familiarity with the different methods of elastomer manufacture.
- An excellent network within the elastomer industry.
- Significant experience of project management.
- 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.
- Very hands-on and creative thinker.
- Good analytical, communication, organisational and QA/QC skills.
- Ability to work independently, proactively and take guidance where necessary.

Line of Reporting

The Membrane 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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