



Position Description

Job Title:	Senior Structural Engineer
Office:	Pembroke Dock, Wales
Employment Type:	Full Time, Employee
Salary:	To be negotiated
Start Date:	June 2018
Line Manager:	Dave Rigg, COO

Overview

Founded in 2012, Bombora is an award-winning ocean energy company with origins in Perth, Western Australia. Our innovative mWave converter is intended to 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.

Profile Description

Bombora is seeking a Senior Structural Engineer with experience of innovative marine energy projects. They will be based out of Bombora's recently established Pembroke Dock offices and will be responsible for the design and delivery of the membrane and other structural elements of the first mWave device.

Main Responsibilities

- Act as the lead engineer with regards to the design of structural elements of the mWave machine. In particular, this role will be responsible for developing the flexible membrane that pumps air through the system.
- Manage the design and delivery of the foundation system.
- Collaborating with and influencing suppliers to ensure that they implement quality control systems that meet our demanding requirements.
- Develop and implement a quality plan to ensure that the structural elements of the machine meet the specified requirements.
- Negotiate and manage commercial terms with suppliers of structural elements.
- Managing contracts to deliver the structural elements of the mWave machine on time, to budget and in accordance with the high quality standards required.
- Manage the interfaces between the structural aspects of the machine and the remainder of the project.

Qualifications & Experience

- Degree in Structural/Civil Engineering.
- Membership / Chartered status.
- Significant experience of structural steel design and steel manufacturing for marine applications.
- Experience of designing or managing the delivery of subsea foundations



- Experience with the design and manufacture of sheets of thin, flexible polymer materials is preferable.
- Experience of building FEA models and using computational analysis packages.
- Evidence of significant contract management experience required.
- 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
- Medically and physically fit to offshore standards

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 steel 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

This role reports directly to the COO.

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 recruiting@bomborawave.com. The closing date for applications is 18th May 2018.

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.