



LEAD FLOATING WIND ENGINEER

THE COMPANY

Empire Engineering is a growing and dynamic consultancy which specialises in the offshore renewable energy sector. Headquartered in Bristol (UK) with offices in London (UK) and Aalborg (DK), we support most of the major European offshore wind developers, as well as working internationally.

As a company we aim to provide the very best technical expertise to our Clients and provide a stimulating and enjoyable working environment to our staff. We have established a company culture based on striving for technical excellence, providing exceptional customer service, and enjoying what we do along the way.

We are a rapidly growing private company with a strong reputation in the offshore wind industry. We choose to work within renewable energy because of the technical challenges it presents to us as engineers, and the benefits it offers to humankind.

THE ROLE

The Lead Floating Wind Engineer for Empire Engineering will be responsible for expanding our floating wind technical consulting services offered in the global offshore wind industry. This is a Client facing role with a high degree of autonomy.

In addition to directly delivering these services, you will lead our floating wind business development efforts, introducing this new service offering to our existing clients, as well as bringing new clients onboard.

Working within our project delivery team, you will work directly with our Clients to provide technical advisory on engineering aspects for floating wind foundations. This will focus on floating wind substructures and mooring design and analysis. You should have a good knowledge and experience of the following aspects:

- Naval architecture
- Integrated floating system
- Floating hull design
- Hydrodynamic motion analysis
- Mooring system design
- Strength and Fatigue analysis (hull and mooring)
- Detailed finite element analysis
- Technical review of floater designs
- Floating wind fabrication and T&I
- Floating wind O&M

You should also have good hands-on experience on floating wind design and analysis tools, such as Orcaflex, SESAM, or others.

Occasionally travelling for the position is expected, primarily in Europe, US and Far East, to attend meetings and perform site visits. Longer-term secondments to Client offices may also be part of the role. The role would preferably be based at one of our existing offices based in Bristol, London and Aalborg, although remote working may be considered for the right individual.

In addition to working directly on client projects, the lead floating wind engineer will also be leading internal technical competence development for floating wind, and also providing on-job training and supervision to junior engineers.



THE INDIVIDUAL

The successful applicant will have extensive floater design and analysis experience working on offshore wind and oil and gas projects covering both hull structure and mooring system.

An engineering degree is required, e.g. naval architecture, mechanical engineering, civil and structural engineering, and other relevant offshore engineering education.

The Lead Floating Wind Engineer must be a strong communicator (both written and in meetings/presentations) and work well in a team.