

## Senior Loads Engineer

At *Stiesdal Offshore Technologies A/S* we offer the opportunity to make a real difference in the fight against climate change. Our team of creative thinkers are making true impact and joining us could be the most exciting and fulfilling step in your career.

Are you up for the challenge?

We are currently looking for an experienced Senior Loads Engineer to join our loads team working with fully coupled aero-hydro-servo-elastic simulations of our future floating foundations for offshore wind.

### **Take floating wind from concept to commercial scale**

You will be working on setting up models and performing integrated load analyses of our next floating foundation prototype in all development phases from early FEED, detailed design until final certification.

### **Your primary tasks will be:**

- Carrying out integrated load analysis as part of design development and verification
- Post-processing of data from simulations
- Working closely with structural engineers on load mapping
- Assisting in execution of scale model wave tank tests
- Load model validation using measurements from prototype foundations and scale model tank tests
- Define and coordinate roadmap of tasks for realization of project and team objectives

### **Your profile**

You have several years of experience working with coupled hydro-structural-dynamic loads simulations of complex systems, and preferably you bring experience from the offshore wind industry or the floating offshore oil & gas sector.

Relevant experience in carrying out integrated load analysis using software such as OrcaFlex, HAWC2, FAST, SIMO-Riflex, etc. and experience in comprehensive data post-processing is a distinct advantage.

Experience in developing tools in MATLAB and Python for supporting load calculation and analysis processes.

Experience with design standards as well as wind turbine or project certification would be an asset.

We expect you to approach your work with enthusiasm and to be self-driven, passionate, committed, and pro-actively solution oriented. It is natural for you to take on responsibility, and you are confident in the role of ensuring quality in large and complex projects. You perform well in the dynamic environment of a start-up organization.

**What we offer**

We offer an exciting and varied job where you will be an integral part of a team creating new technology with a high impact on climate change mitigation.

Our core values are honesty, integrity, and respect for people, and we firmly believe in the fundamental importance of trust, openness, teamwork, and pride in what we do.

The working location is either at our offices in Hellerup, Denmark or in Give, Denmark.

**About us**

Stiesdal Offshore Technologies is developing cost-efficient systems for floating offshore wind. During 2020 the company has validated its concepts and in 2021/2022, a new foundation type will be designed/manufactured.

We are part of Stiesdal, a new and fast-growing climate technology group with activities in floating offshore wind, energy storage, Power-to-X hydrogen production and carbon capture and storage combined with green fuel production. Read more at [www.stiesdal.com](http://www.stiesdal.com).

**How to apply**

If you are interested, please send an application and your CV to [jobs@stiesdal.com](mailto:jobs@stiesdal.com).  
Start date: As soon as possible.

For more information, please contact Michael Borg, [mbo@stiesdal.com](mailto:mbo@stiesdal.com)