

Experienced Mooring Engineer for Floating Wind Company

Floating Power Plant A/S (FPP) is looking for a Mooring Engineer, with expertise in Deeplines, and ideally with floating wind, to join our fast-growing business and team. If you want to have direct influence and be part of a renewable energy adventure – please send an application to HR@floatingpowerplant.com

Main tasks

- Perform conceptual designs of mooring designs for our floating wind foundation
- Design and develop tools to determine approximate designs of moorings for new platform dimensions/site conditions without running large load case analysis for feasibility studies/early stage projects
- Develop mooring design for FPP's commercial demonstrator to be deployed in 2025!
- Review mooring designs/reports from external contractors and use rough calculations to ensure the external designs are approximately correct
- Support company activities including due diligence, concept select, feasibility studies etc.
- Support the Loads And Control team in post-processing and interpreting the results of fully coupled hydro-aeroelastic simulations
- Monitor development of relevant standards to ensure FPP remains compliant
- Ensure all designs, developed either internally or by external partners, are compliant with the relevant standards

Technical Skills

- Essential
 - Performing integrated loads analysis for design development
 - Experience with Deeplines or Deeplines Wind
 - Good knowledge of state-of-the-art technologies related to mooring
 - Experience working with external partners
 - Post-Processing of simulations
 - Ability to work through all design stages of a project, from feasibility to detailed design.
 - Understanding of cost of moorings and ability to select components and give cost estimates
- Nice to have
 - Experience with different coupled simulation tools such as Orcaflex, Hawc2, Simo, Fast
 - Experience with floating wind simulations and standards
 - Experience with moorings in shallow water
 - Experience with certification

- Experience with small-scale models of moorings in wave basins

Personal Skills

- Passion to make a difference and bring FPP's technology to the next level
- Enthusiastic and self-driven and be able to work independently.
- Able to take ownership of the workflow
- Good to prioritize work and determine the appropriate level of detail for a task
- Team player
- Good to communicate with team and external partners

Experience

- Relevant degree in Naval architecture, engineering or similar.
- Minimum 2 years experience designing moorings in an industrial setting (not university)
- Must be eligible to work in Denmark
- The place of work is Vallensbæk, Denmark or Gran Canaria, Spain (FPP's technical team is located in these two offices)

What we offer

- FPP is a Danish company, backed by 240 shareholders, rapidly expanding in order to develop and commercialise the world's first floating wind and wave device
- We have a fast-paced and fun environment with varied tasks and a great team
- You will be working alongside colleagues and external partners who are the leaders in their fields
- The work which you undertake will be key to the company's success, and will directly impact the design of FPP's technology and our commercial projects
- Attractive working terms
 - Competitive salary and share option program (warrants) - meaning you can own a part of our success
 - Great working conditions incl. flexible working hours, pension, 6 weeks holiday, option to work in other offices, etc.
 - Good working environment incl. lunch, social events, modern facilities, etc
 - Regular Friday drinks and other events with colleagues
- We are an international team so the main office language is English.
- The place of work is Vallensbæk, Denmark or Gran Canaria, Spain (FPP's technical team is located in these two offices)

Cross competencies

Please note we are currently looking for 7 new colleagues. If your skill set overlap some of the other positions, please emphasise this, as this will be evaluated positively.