Expert for seabed structure interaction with offshore wind

Do you have solid technical skills within hydraulic engineering coupled with a commercial mindset? And would you like to work within offshore wind and offshore environment in general as a part of a global and growing team?
If this sounds like you, we can offer an exciting position, great colleagues, and the opportunity to develop your career in a global company with a strong focus on renewable energy and sustainability. You will become part of our successful international technical team, delivering state of the art technical solutions to our clients. You can find more information about our offerings in offshore wind here: https://waterchallenges.dhigroup.com/offshore-wind/
About DHI
DHI is a global specialist advisory and R&D company dedicated to working on challenges within the fields of water, environment and sustainability. Within these fields, we provide a wide range of advisory, digital advisory, research and water governance services as well as leading edge MIKE technologies and products to the market. At DHI, we are constantly looking for passionate and talented people who are eager to join our team.
By joining DHI, you will not only become part of a dynamic and collaborative global team of experts; you will be encouraged and supported to innovate, engage, and grow in your area of expertise.
DHI is committed to disseminate our knowledge effectively and across our worldwide network of offices.
Your Role
As an Expert, your main focus will be on seabed-structure interaction such as scour, scour protection design, cable stabilization, wave structure interaction and seabed mobility. We support clients internationally with a wide range of projects from large infrastructure projects for international clients to minor projects for local clients.
The methods you will apply ranges from desk studies, potentially supported by numerical modelling, to physical model tests. If you have knowledge of all these tools it is great, but otherwise your skilled colleagues will assist you. Most important is your domain knowledge and that you are willing to learn and develop new tools. Your work consists of technical support to our clients during the FEED and design process or validation through 3rd party reviews. The tasks include scoping projects together with clients, writing technical proposals and executing them successfully. Typical tasks could be scour assessments, design of scour protections around offshore wind turbine foundations such as monopiles or jackets, but it could also be around bridge piers.
A key aspect of the role is working with clients and colleagues in a dynamic environment, and it is expected that you can support our clients in solving their challenges based on your expert advice and/or design optimizations and engage actively in discussions with the clients enabling them to gain trust in their design.
Responsibilities

- Leading preparation of proposals for commercial and research opportunities.
- Leading and executing projects alone or together with a project team.
- Sharing of knowledge within the team and DHI.
- Publishing knowledge and research projects in conference proceedings and journal papers.
- Contributing to innovation and developments within our seabed-structure interaction services.
- Business development of DHI’s offshore wind segment.

Required Qualifications

- M.Sc./M.Eng. within marine and hydraulic engineering.
- 10+ years of professional track record within scour and scour protection design within the offshore environment.
- Deep knowledge of scour process and scour protection design.
- Experience from the offshore wind business.
- Solid network within the offshore wind business.
- Scripting skills with Matlab and/or Python.
- Project management of commercial or research projects.
- Excellent communication and interpersonal skills.
- Strong written and verbal English skills.
- A collaborative team player dedicated to personal and team development.

Desirable Qualifications

- Strong commercial mindset and a talent for business development.
- Knowledge of numerical modelling of morphology e.g. scour and sediment transport.
- Experience with physical scale model testing.
- Knowledge of seabed mobility.
- Experience with other types of offshore and coastal structures e.g. floating. structures, breakwaters and caissons.
- Other relevant business areas within offshore wind.
- Ph.D. or higher.

We Offer

- A unique opportunity to join our support to the green transformation.
- A role where the keyword is innovation and development.
- A team of highly motivated and dedicated colleagues, all being hydraulic experts.
- Professional and personal development opportunities, with the freedom to innovate and grow. We recruit professionals who can unite our technical excellence with our business excellence – and always maintain our professional integrity.
- Flexible working opportunities and modern laboratory facilities.
- A unique chance to work with highly professional and motivated colleagues from all around the world.
- Ongoing career development.

Office Location
You can join our HQ office in Hørsholm (Denmark) together with more than 300 colleagues, or potentially work abroad from one of our other offices in Europe.
How to apply

- Please submit your application including Cover letter and CV via the relevant job posting on DHI's website: http://www.dhigroup.com/careers
- Deadline for application is **10th of November 2024**.
- For further information please contact Dr. Karsten Lindegård Jensen, Director Offshore Wind – Marine and Hydraulic Structures, DHI Denmark (kalj@dhigroup.com; Tel: +45 45 16 93 86)