

Coastal Engineer / Scientist - Waves and Navigation

About DHI

DHI is a global and independent company dedicated to working on challenges within the fields of water and environment and sustainability. Within these fields, we provide a wide range of advisory, digital advisory, research and water governance services as well as providing 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 empowered 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.

We are looking for a Coastal Engineer/Scientist to support our team in technical execution of our growing project portfolio. You will be working on complex and technically challenging projects, as well as assisting the Project Managers in managing Client's expectations.

Responsibilities and challenges

The main responsibilities and challenges in the job are:

- **Wind and Wave Analysis:** Analyse field and/or hindcast data to assess wind and wave statistics, behaviors and trends
- **Numerical Modelling:** Develop and apply numerical and/or physical models to study wave dynamics, wave-structure interactions, and coastal processes, e.g. coastal hydrodynamics
- **Overtopping Assessment:** Utilize EurOtop or equivalent standards to apply overtopping analyses to determine crest levels for coastal structures and inform design optimizations
- **Navigation Works:** Support the Project Managers in carrying out the following work scope. Marine Risk Assessments Mooring simulations Navigation simulations
- **Proposal Preparation:** Contribute to proposals in the field of port and terminal involving navigation, mooring and marine risk assessments

Qualifications and personal skills

- At minimum a Bachelor's or Master's degree in engineering, science or oceanography.
- 3 to 5 years' experience in execution of challenging technical coastal/marine projects, such as EIA, feasibility, climate change or metocean studies.
- Experience with using MIKE by DHI software suite will be considered favourably.
- Experience with programming language like Matlab, Python or R will be considered favourably.
- Success in preparation of technical and financial proposals to secure new projects.
- A record of technical conference/journal publications will be advantageous.
- Fluent in written and spoken English with excellent report writing skills.

We are looking for someone with:

- Ability to work autonomously, self-motivated and highly technically competent.
- Ability to work well in a multi-cultural and multi-office team environment and contribute to the overall project as a team player.
- Strong focus on problem solving and client solutions.
- Ability to apply innovative and sound technical solutions to problems and meet deadlines.
- Excellent networking skills facilitating close collaboration with specialists across the DHI Group.
- Confidence with internal and external communications, both verbal and written.
- Ability to manage competing work priorities.

We offer

- A role where your work and results will get great exposure and focus – both inside the company and externally.
- Ability to take a leading role in developing groundbreaking environmental solutions with a global impact.

- A social and fun international working environment with innovative and dedicated colleagues.
- An attractive and informal work environment – working in small teams but relying on the power of a large organization with more than 1000 staff globally.

Office location

You will be located in our office in Singapore.

How to apply

Please submit your application including CV via the relevant job posting on DHI's website:

<http://www.dhigroup.com/careers>

Deadline for application is 31st January 2026.