

VACANCY

Junior Engineer Numerical Hydraulic Modelling

IMDC is active for more than 35 years in a wide range of domains, including dredging technology, coastal engineering, ports and offshore structures, offshore energy, integrated water management, waterways and inland navigation, hydraulic design, environmental studies and in situ measurement techniques. IMDC has developed a strong knowledge base in computational physics, data-analysis, design and hydro-informatics.

A company is built from the people that work for it. We need you to look for solutions rather than 'output' and look beyond your own technical domain to offer added value to our customers. We strongly adhere to a collaborative and inspiring working atmosphere. We expect an innovative and client-centric attitude. Individually you will be able to further develop your technical competences through personal guidance and training.

We are looking to expand our Computational Physics team with a highly motivated junior Hydraulic Numerical Modelling Engineer that matches the following profile:

Responsibilities

- ◆ As a junior engineer, you will work on a wide range of marine, coastal and hydraulic engineering projects.
- ◆ You will further develop your knowledge in numerical modelling techniques and applications (waves, currents, sediment transport ...).
- ◆ You will discover different technical domains and be exposed to the different aspects of our projects both in national and international context.
- ◆ You will work under supervision and guidance of an experienced project manager or senior engineer.
- ◆ You show initiative, independence and confidence when making engineering decisions.
- ◆ Reporting in a clear but concise way, in different styles, ranging from factual to scientific.
- ◆ You understand the needs of a client and translate them into adequate and innovative solutions.

Preferred qualifications

- ◆ MSc in Civil Engineering, Environmental Engineering. Majors in Coastal / Offshore hydraulics and sediment transport are an asset.
- ◆ Programming skills in Matlab, Fortran or Python.
- ◆ Proficiency in one or more software packages for numerical flow modelling is an asset: TELEMAC, SWAN, SWASH, XBEACH, ANYS CFD, ANSYS AQWA, OPEN FOAM, ...
- ◆ Strong analytical skills, creativity in problem-solving.
- ◆ Strong reporting and presentation skills. Knowledge of Dutch is an asset but not required.
- ◆ Willingness to join shorter or longer missions abroad, e.g. embedded in clients construction site or for hydrographic monitoring.
- ◆ An interest in growing towards project leadership is seen as an advantage.

Our offer

- ◆ A stimulating environment in which innovative spirit is highly encouraged.
- ◆ An individual training plan.
- ◆ Competitive salary and benefits.
- ◆ Challenging projects related to coasts, rivers and shallow seas around the world.

Contact

Are you our next Expert in Water?

Send your CV and cover letter to jobs@imdc.be to the attention of Eline Dinet. Your application will be treated with the utmost discretion.

Ref: 075

www.imdc.be



International Marine & Dredging Consultants