

## Metocean / Coastal Engineer

Full-time, deadline for applications: 15/01/2024

### About Aktis Hydraulics:

Our range of consulting services includes:

- Metocean design and operability studies for offshore renewables, O&G, shipping and other blue economy applications.
- Mooring design and vessel response analysis.
- Design of access channels, manoeuvring areas and inland waterways including manoeuvring simulations.
- Specialist port design and assessment consulting.
- Seabed dynamics and scour protection design.
- Software development.
- Oceanographic and meteorological data sales.
- Ocean governance and blue economy.

These services are provided both through consulting and web-based applications. They are supported by a dedicated team of Metocean Consultants, Coastal Engineers and Naval Architects.

Aktis Hydraulics is highly specialised and has a unique ability to couple oceanography, meteorology and ship response expertise. Aktis places a high importance on developing our knowledge and capabilities in a practical way that benefit our clients and make life easier for our staff.

### The Role

We currently have a vacancy for an experienced coastal engineer, ocean engineer or oceanographer, to join our team in consultancy projects focusing mostly on numerical modelling and statistical analysis of waves, current and atmospheric processes.

You will be working with a team of experts in oceanography, coastal processes, ship hydrodynamics, probabilistic design, and mooring systems. You should be able to produce results by a range of methods from back-of-the-envelope estimations to state-of-the art numerical modelling, where understanding how the model works and sensitivities to the model schematisation will be central. You will be required to advise clients on site selection projects, design criteria, workability and port or terminal layouts.

As such you will need to interact with clients, prepare technical and financial proposals, lead project teams and support junior engineers. You will be working on projects in the coastal zone, ports and offshore. You will be encouraged to advance Aktis capabilities in coastal processes, ship hydrodynamics, marine renewable energy and assessing the impact of climate change.

To fit into the team, you will need to be able to work independently and take initiative but knowing when to ask for support. The drive to satisfy clients, develop our services and maintain schedule and budget will be central.

The position is to be based in our Dutch office in Zwolle at first, with the possibility to operate from our French office based in La Rochelle, or our Spanish office in Madrid once the integration process is complete.

You will be required to communicate and report well in English.

**The individual will have many of:**

- M.Sc or Ph.D. degree in oceanography, ocean or coastal engineering.
- Minimum of 5 years of experience.
- Experience in wind resource assessment studies and/or coastal flow modelling would be greatly valued.
- Experience with numerical models such as WRF, Delft3D, SWAN or WAVEWATCH III.
- Expertise in scripting languages such as Python and MATLAB is needed. Familiarity with Linux and cloud computing would be an advantage.
- Experience in statistical analysis and signal processing.
- Strong quantitative and problem-solving skills, strong communication skills.
- Fluent in English, Dutch or French language would also be valued. Another European language would also be an advantage.

**The Benefits**

Aktis Hydraulics offers a stimulating environment with open communication with hard working colleagues. You will have the opportunity to work on very interesting projects and to develop your knowledge as part of a highly motivated and highly experienced team.

We offer 30 days annual leave and a defined contribution pension scheme.

Applications (in English) including CV should be sent to Mr. François ENET at the below address or by e-mail to: [application@aktishydraulics.com](mailto:application@aktishydraulics.com)

