

**We are hiring!**

Are you ready to co-create the floating city of the future that not only deals with the challenges of climate change but also has a positive impact on the planet?

Would you like to work in a dynamic team on projects from all around the world?

Then this job is for you!

<b>We are looking for:</b>	Offshore Engineer for floating projects
<b>Our offices are located in:</b>	Buccaneer Delft, The Netherlands
<b>Category of work:</b>	Offshore engineering, R&D
<b>Job type:</b>	Permanent (year), 1 FTE (0,8 negotiable)
<b>Language:</b>	High proficiency in English. Other languages (e.g. Dutch, German, French, Spanish, Japanese) are a plus.
<b>Degree:</b>	Master's or PhD degree in Naval architecture / Offshore engineering / Maritime engineering / Hydrodynamics / Civil engineering / Mechanical engineering
<b>Work experience:</b>	3-6 years on a similar role (Mid-Senior level)

**Key responsibilities:**

- You will be designing and engineering world class floating projects, including residential projects, recreational and commercial functions, infrastructures, food productions etc.
- During your work you will encounter and collaborate with a vast range of stakeholders like innovative entrepreneurs, scientists, researchers, architects, subcontractors and more.
- Your findings will be reported in high-quality reports for both experts and non-experts.
- You will be responsible for offshore and maritime engineering tasks in projects and collaborate with other engineers in the company.

**Main Tasks:**

- To carry out technical feasibility studies for international and national clients.
- Engineering of floating platforms, connections, mooring system, and breakwaters in maritime conditions. In some cases, this will be business as usual in other cases, innovative designs will be required.
- Designing and engineering floating structures while taking into the account the well-being of a coral reefs during one project and dealing with drifting ice during the other.
- Researching and developing on sustainable floating structures from initial idea to modelling, basin testing, design & engineering in project proposals and implementation.
- Suggesting and taking initiatives to improve internal operations within our company.
- Exploring, reviewing, suggesting, and developing new projects and innovations.

- Working on proposals for new projects and new R&D ideas.
- Developing in-house software to support the design and analysis of floating structures.
- Creating detailed technical reports for clients.

**Requirements\*:**

- Interest in floating city projects
  - Engineering experience in dealing in complex multi-disciplinary offshore projects
  - Ability to maintain confidentiality
  - Outside the box thinker, pioneering attitude, affinity with innovation
  - Innovative skills and initiative to identify and implement business process improvements and strive for creative solutions
  - Proven technical skills in hydrodynamics, including analysis of motions and loads on floating structures, and modelling tools (diffraction/radiation software, CFD)
  - In-depth knowledge of Structural Mechanics, Structural Dynamics and FEA software applied to the design of floating structures
  - Knowledge in the design of mooring systems
  - Proficiency with Python/Matlab and Microsoft Office
  - Experience with CAD software: Solidworks, Autodesk AutoCAD
  - Knowledge of offshore industry practices and offshore structural design
  - Knowledge of requirements from classification societies and offshore standards
- \*If not all requirements can be met, one has to have the willingness to acquire these.*

**Competencies:**

- Excellent observation and analytical skills
- Strong communication, coordination, and networking skills to facilitate information flows across colleagues and external partners
- Eager to learn more about new disciplines and work together with experts from different fields.
- Flexibility and adaptability. You will be working in a highly dynamic environment. It is important to be able to adapt to changes and still fulfil your role.
- As our maritime/offshore department is growing, and we are looking for an engineer that is eager to contribute to this growth.

**About Blue21.** Blue21 is the first global leading expert in maritime urban projects.

We design, research, and realize floating projects in delta cities worldwide. Our belief is that we must shift from sustaining our planet to restoring it. Floating development can make cities more resilient, creates space for new eco-systems and enables bio-based economies to flourish.