

GEOxyz – R&D / Lead Project Engineer – Metocean & Buoy Systems

AQUAVISION

In search of an R&D / Lead Project Engineer – Metocean & Buoy Systems

We are seeking a technically skilled and hands-on **R&D / Lead Project Engineer** to join our team. You will take ownership of the technical lifecycle of our metocean buoy systems—from mechanical design and engineering to build coordination, deployment, and improvement campaigns.

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Your primary focus will be on the design and operation of buoy systems for **Accurasea**. When these systems are operational, you will also support **Aqua Vision's** hydrometric and metocean projects, contributing your technical expertise to the development and deployment of measurement systems, frames, and instrumentation setups.

This is a varied role that combines technical development with practical execution, in close cooperation with both workshop and field teams.

Key responsibilities:

- Lead the technical execution of build, maintenance, and improvement activities for floating metocean and LiDAR buoy systems.
- Design and document mechanical components and assemblies using SolidWorks, including mechanical calculations and FEM assessments where needed.
- Coordinate the fabrication and integration of systems, supervising suppliers and ensuring quality and compliance.
- Support Aqua Vision's field measurement projects by preparing and maintaining mechanical systems, buoy structures, and seabed frames.
- Perform testing and commissioning activities in the workshop, at the quayside, or occasionally onboard vessels.
- Translate operational experience into design improvements and ensure lessons learned are documented.
- Contribute to project planning, cost control, and progress reporting.
- Coach and guide junior engineers or technicians when needed.

What do we expect from you?

- Degree in Mechanical Engineering, Marine Engineering, or Mechatronics.
- Proven experience with SolidWorks for mechanical design and documentation.
- Strong practical skills in assembly, testing, and maintenance of mechanical or marine systems.
- Affinity or experience with metocean measurement systems, mooring designs, or buoy operations.
- Strong understanding of structural mechanics and marine materials.
- Excellent communication and teamwork skills.
- Fluency in English required; proficiency in Dutch strongly preferred due to workshop and supplier

interaction.

What do we offer you?

- A key role in a growing and innovative organization contributing to renewable energy and environmental monitoring.
- The opportunity to work on tangible technologies and see your designs deployed in real-world marine conditions.
- A collaborative team culture with experts across Aqua Vision and Accurasea.
- A dynamic mix of design, coordination, and hands-on fieldwork.
- Competitive salary and growth potential based on expertise and initiative.

<http://www.GEOxyz.eu>