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JOB POSTING: Lead Project Engineer – Metocean & Buoy Systems

About Aqua Vision and Accurasea

Aqua Vision BV is a leading provider of hydrometric and metocean measurement services, specializing in high-quality data acquisition and analysis for water and environmental monitoring. From our base in Houten, we work on projects that support renewable energy, coastal development, and environmental management.

Accurasea, our sister company, designs, builds, and operates advanced floating LiDAR and metocean buoy systems for wind resource and environmental assessments. Together, Aqua Vision and Accurasea combine engineering innovation with operational excellence in marine measurement technology.

This position will be formally employed by Aqua Vision while working in close collaboration with the Accurasea engineering and operations team.

The Role

We are seeking a technically skilled and hands-on 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.

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.

Required Qualifications & Skills

- 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.

Desired Qualifications

- Experience in marine or environmental measurement projects.
- Knowledge of instrument integration, mooring systems, or data acquisition setups.
- Experience leading small engineering projects or mentoring team members.
- Willingness to travel occasionally for installations or testing.

What We Offer

- 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.

If you are a technically skilled and motivated engineer who enjoys developing practical solutions for challenging marine environments, we invite you to apply.