

VAISALA

Mastering severe weather and rough seas

Solutions Brochure



Vaisala Maritime Observation Systems

Safety, security and efficiency are top requirements in maritime operations, and weather can have a serious affect on each of these. It is clear that accurate weather and sea state information is vital for ensuring the safety, security and operation of ports, ships and offshore platforms.

Enhance your core operations

Marine operations are continuously impacted by often rapidly shifting, sometimes highly localized, conditions of weather and sea. For example, ships are often unable to dock in a port or to a platform during extreme weather conditions or in rough seas and strong currents, while helicopter operations are restricted in high wind speed and low visibility conditions. Crane and drilling operations are similarly affected by severe weather.

Having a system for measuring the specific meteorological and oceanographical parameters in the precise area of your operations is therefore vital for successful and uninterrupted operations. The precision data from Vaisala Maritime Observation Systems can be fully and comprehensively integrated into your processes, significantly enhancing your business predictability and performance.

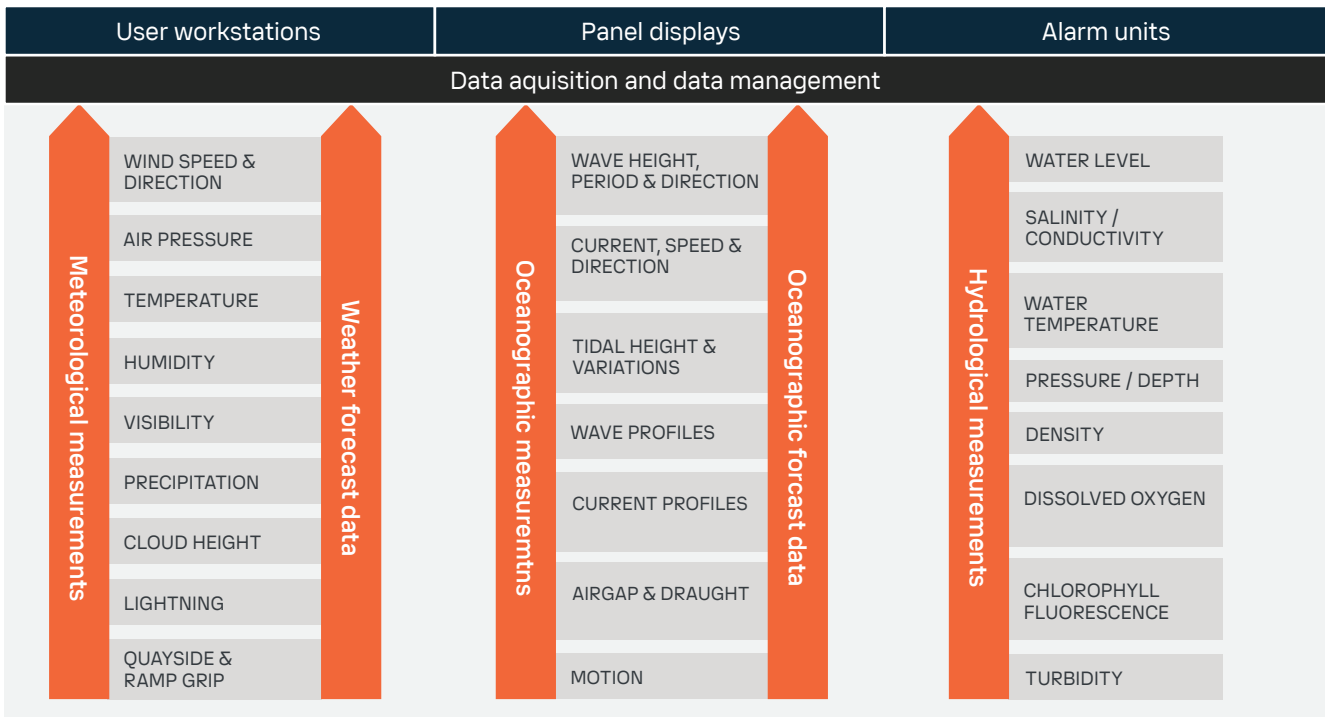
Comprehensive – and easy to integrate

Vaisala has a full offering of meteorological monitoring systems, instruments and engineering services for coastal navigation, ports, ships and offshore platforms applications. Vaisala Maritime Observation Systems provide you with the entire solution, including meteorological, oceanographic and hydrological instruments – and global life cycle support. Our Systems' oceanographic and hydrological instruments are manufactured by the other leading manufacturers. Vaisala Maritime Observation Systems are easy to integrate with port management, vessel traffic services, ship's bridge and offshore platform IT systems.



Why choose Vaisala Maritime Observation Systems?

- Extensive product and services offering
- Environmental monitoring systems integration capability world-wide
- Low cost, data-only option available
- Unique Maritime Automatic Weather Station series designed for marine environments, integrating all instruments together
- Global presence with a wide sales network and service centers around the globe
- Secured uninterrupted operation through Vaisala Global Services and Technical Support
- IMO, IALA, IEC, WMO and ICAO compliant offering



Vaisala Maritime Observation Systems measure and fully and comprehensively integrate precision metocean data into all your processes in ways that significantly enhance your business predictability and performance.

Solutions to match your needs

We have the experience to help you plan, install, operate and maintain a system that's just right for your needs. Whether you require a complete maritime observation system for turnkey delivery, an upgrade to your present capability, or just want the option of a low cost data-only service, we have the know-how to design full solutions. We are also experts at the required networking and telemetry, and can help you enhance the performance of your present system.

Vaisala equipment is designed to last, and much of it is modular and upgradeable, meaning that systems can be expanded and enhanced. Moreover, we at Vaisala value long-term relationships with our customers and provide support for them throughout the entire lifecycle of Vaisala systems.

Why Vaisala?

Weather and environmental insights are the greatest catalysts for successful maritime operations— from sensors to systems and digital services, Vaisala provides actionable insights that empower stakeholders to confidently meet challenges and harness new opportunities.

Our globally trusted maritime weather solutions enable remarkable efficiency gains, digital transformation, the protection of people and investments while supporting sustainable and responsible operations.

We are scientists and explorers driven by passion, relentless curiosity, and the desire to create a better world. Backed by 85+ years of unmatched scientific leadership, our solutions increase maritime weather awareness and drive innovation.

