

VAISALA

Mastering severe weather and rough seas

Integrated Maritime Observations



Vaisala Maritime Observation Systems

Integrated environmental observations tailored to your needs

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

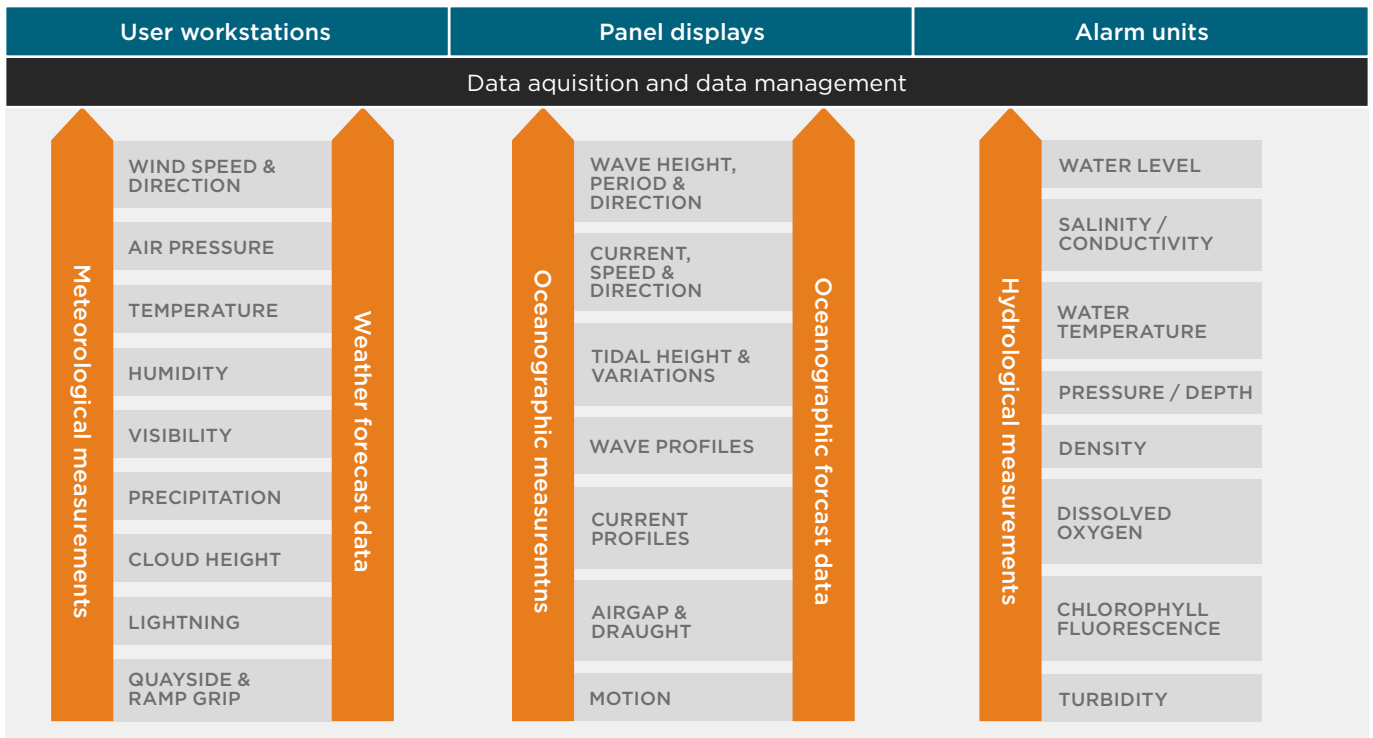
Vaisala has a full offering of meteorological monitoring systems, instruments and engineering services for coastal navigation, ports, ships and offshore platforms applications. Vaisala Maritime Observation

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.

A tradition of partnership

Vaisala has a decades-long tradition serving the maritime industry. Our systems help our customers make smart and timely decisions regarding weather critical issues.

Vaisala solutions improve efficiency and enhance the safety of people, vessels and cargo, whether at sea or in port. Our offering of monitoring systems, instruments and engineering services can be supported by a wide range of forecasting and decision support applications.

The weather affects maritime operations more than any other factor. We'll help you master it.

Weather and environmental insights are the greatest catalysts for successful maritime operations— onshore and offshore.

From sensors to systems and digital services, Vaisala provides actionable insights that empower stakeholders to confidently meet new 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 clean and responsible operations.

Why Vaisala?

We are scientists and explorers driven by passion, relentless curiosity, and the desire to create a better world. Our 85+ years of innovation and global impact are reflected in our guiding principles for maritime:



Master the weather, master the sea

Vaisala enables stakeholders to harness incredible new possibilities while facing increased severe weather risks driven by climate change. We do this by providing the most advanced weather and environmental insights available anywhere. Guided by our weather measurement expertise, we're advancing maritime operations and empowering today's leaders to master the sea like never before.



Currents of innovation

Maritime is evolving, and the currents of innovation are taking us to a more sustainable and weather-aware industry. Vaisala is the world's most trusted partner for helping maritime leaders navigate this evolution. Fueled by our proven scientific leadership and innovative spirit, we have led the way in providing unparalleled weather and environmental solutions across a multitude of industries for generations. We give maritime stakeholders the most comprehensive weather intelligence available so they can innovate across their entire ecosystem to protect of people, resources, and infrastructures.



Oceans of insight

The maritime industry is a complex ecosystem, with valuable information to be found everywhere. In the atmosphere. In the water. In the movements and topographies of the sea. In complex offshore and onshore hubs of commerce. Vaisala's integrated, end-to-end weather solutions are uniquely capable of transforming oceans of information into concrete, practical insights to enable better decision making. These insights turn uncertainty into confidence, risk into readiness, and potential into power. Our preeminent weather technologies give maritime stakeholders a new competitive advantage: the ability to derive previously unattainable insights from everything around them.



Champions for sustainability

Vaisala partners with maritime stakeholders to support a proactive, informed approach to navigating sustainability initiatives. Our unsurpassed onshore and offshore weather intelligence helps the maritime industry achieve cleaner and more responsible operations, stay ahead of regulatory pressures, and confidently manage risks related to extreme weather. This partnership also strengthens the health of Earth's oceanic ecosystems and the communities of which we are all part.

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