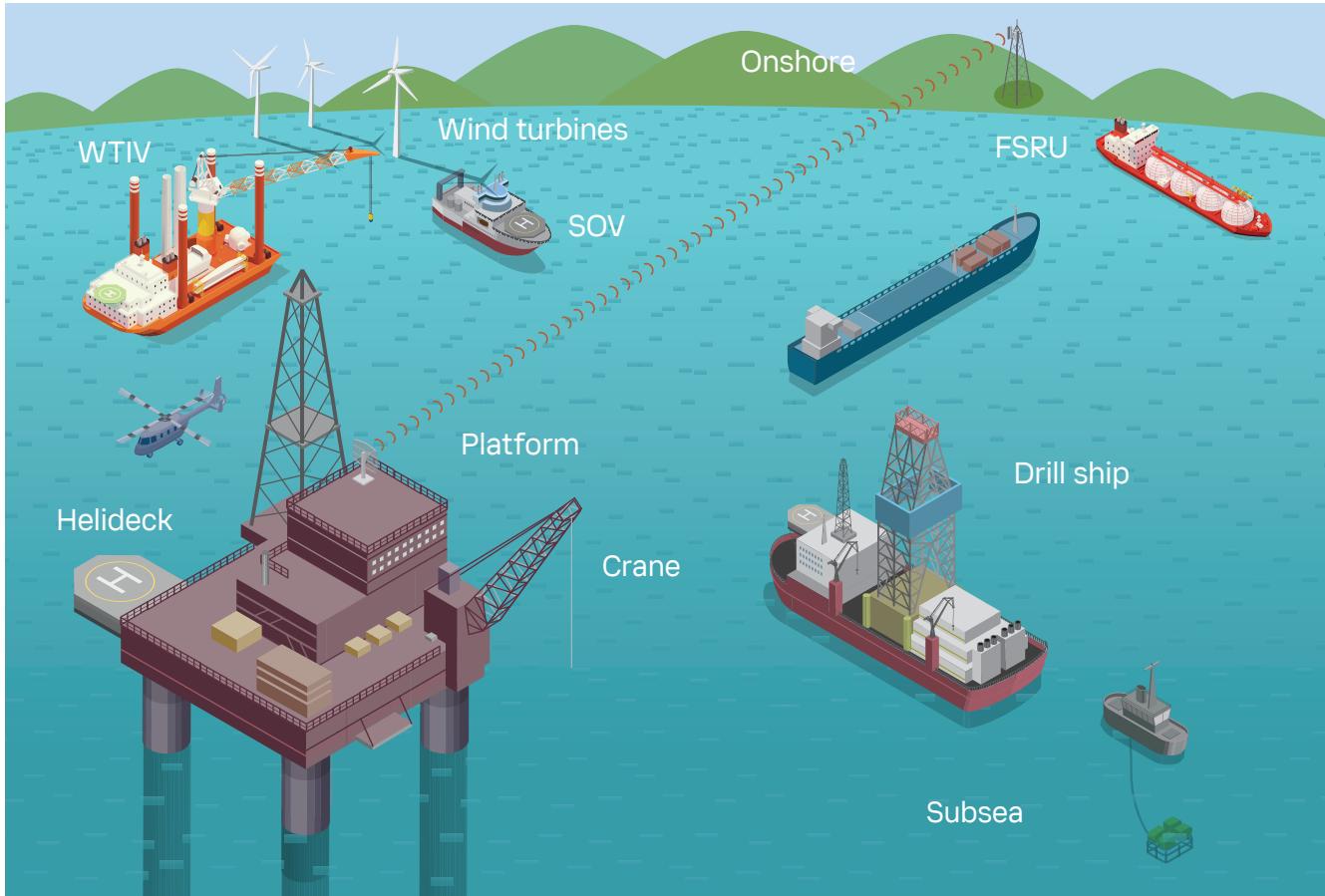


**VAISALA**

# Vaisala Offshore Weather Awareness

Solutions Brochure





Typical Environmental Monitoring System (EMS) application areas

### When Offshore, You Want to Be Sure

Complete awareness of your working environment is the first step to ensuring the safety of all your operations. Accidents are not acceptable, and delaying or cancelling operations can result in substantial financial losses. The Vaisala Offshore Weather Awareness solution constantly monitors weather and sea state, allowing you to concentrate on your main operations.

### Safely Manage Your Weather Critical Operations

Accurate and reliable weather, environmental and sea state observations are vital for planning safe helicopter flights, lifting operations, navigation, vessel dockings, and various sub-sea operations. In rapidly changing weather conditions, real-time observations, accurate weather forecasts and automatic alarms help you manage these operations safely. The Vaisala Offshore Weather Awareness solution facilitates accurate and timely decision-making for weather critical operations both offshore and onshore.

### Partner with the Industry Leader

Vaisala develops and manufactures the widest selection of weather measurement instruments and systems. All our equipment is field-proven, low maintenance, and complies with international maritime and aviation standards. We are one of the most experienced maritime, aviation and offshore weather companies in the world, with a suite of solutions complemented by industry-proven and DNV compliant sensors and backed by 85+ years of measurement expertise. We also offer the industry's widest sales and service network, meaning that you benefit from shorter response and delivery times.

# Tailored to Your Needs

## Wide Range of High-quality Measurements

The Vaisala Offshore Weather Awareness solution incorporates all the necessary instruments for monitoring the offshore environment, where quality, reliability, and accuracy are vital. Lightning and thunderstorm data complemented with near-term weather forecasts gives you full situational offshore weather awareness insight. The instrument selection included in the system is based on your platform or vessel type as well as your specific application requirements. Because the system can be used for several different applications, such as helideck or environmental monitoring, it also helps you optimize cost efficiency.

## Flexible Data Collection and Communication

The Vaisala Offshore Weather Awareness is a turnkey solution including complete power, sensor integration, data collection and storage. Full scale Offshore Weather Awareness solution can also be equipped with modern weather forecast and

lightning data APIs for more holistic situational weather and environmental insights. A wide range of wireless and cable communication options enables flexible positioning of the instruments, interfacing with vessel information systems, and data transmission to users both offshore and onshore.

## Application-specific User Interfaces

Weather and environmental data including alarms are monitored with desktop or mobile user interfaces designed for your specific offshore observation needs. Automatically generated weather reports are printable and can be transmitted to users onshore and offshore for scheduling operations. The audio module option enables real-time voice message transmission directly to pilots.

The Vaisala Offshore Weather Awareness solution ensures the safety of your weather critical operations – efficiently, reliably, and cost-effectively.





## 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.

