

VAISALA

Vaisala Helideck Monitoring System

Safeguard your personnel – your
most valuable asset – with reliable
weather observations



Safeguard your personnel - your most valuable asset - and avoid costly and frustrating flight interruptions by offering your helicopter service provider accurate weather and motion data from Vaisala - the weather provider that the aviation community relies on, worldwide.

Vaisala Helideck Monitoring System

The unique Vaisala Helideck Monitoring System (HMS) provides accurate information on the prevailing weather and helideck motion to ensure effective flight planning and safe landings on offshore installations. Measurements are based on Vaisala's world-class, reliable sensor technology, which is integrated into weather stations designed specifically for offshore weather monitoring. The advanced operator's software includes a real-time data display, reporting tools, and critical alarms to enable the operator to make better informed decisions during critical weather situations. A web interface allows the data to be viewed on any PC in the network. The weather station electronics are available rack-mounted or as an outdoor marine hardened version for installations with limited equipment space and less field cabling.

As an optional feature, automatic audible weather reports are available for helicopter pilots through a VHF radio transceiver.



Proven Vaisala Sensors



- Wind speed and direction: Vaisala WMT700 - the accurate and maintenance free ultrasonic wind speed and direction sensor with a robust stainless steel structure.

- Barometric pressure measurements: Vaisala PTB330 barometer using the dual BAROCAP[®] sensor with excellent long-term stability.



- Air temperature, dew point, and relative humidity: Vaisala HMP155 temperature and humidity probe using the HUMICAP[®]180R sensor with superior long-term stability.

- Horizontal visibility: Compact and lightweight Vaisala PWD series sensors require little maintenance. Optionally the sensor provides automatic present weather detection.

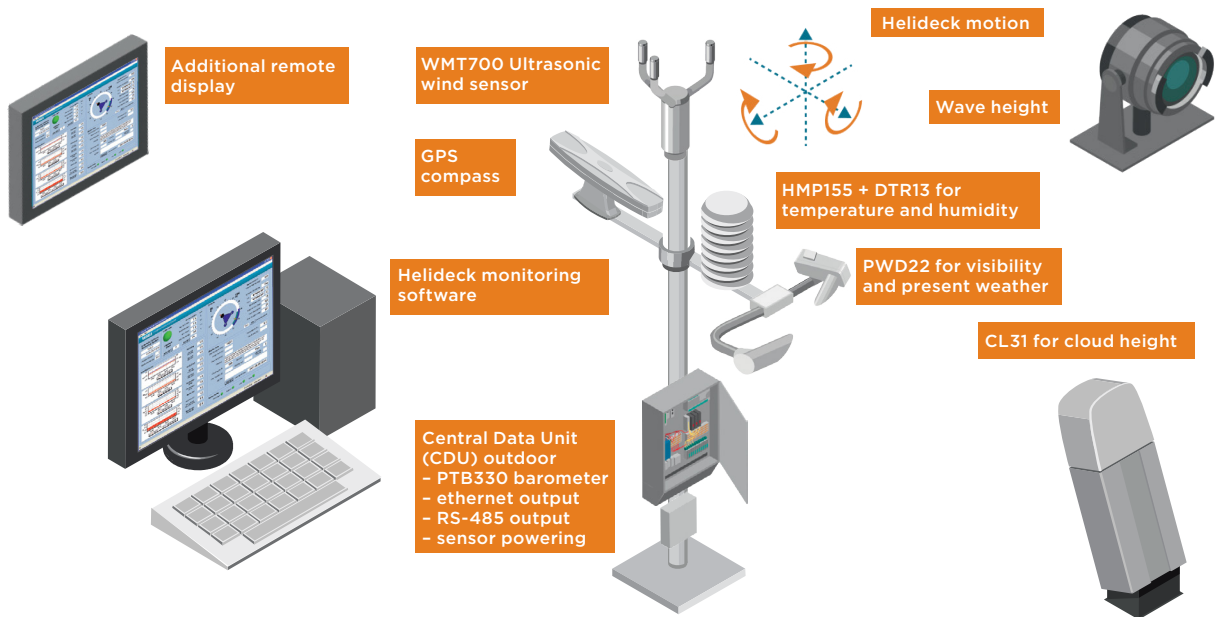


- Cloud height and coverage: Vaisala CL31 advanced single lens optics ceilometer provides excellent performance, even for low altitude cloud.

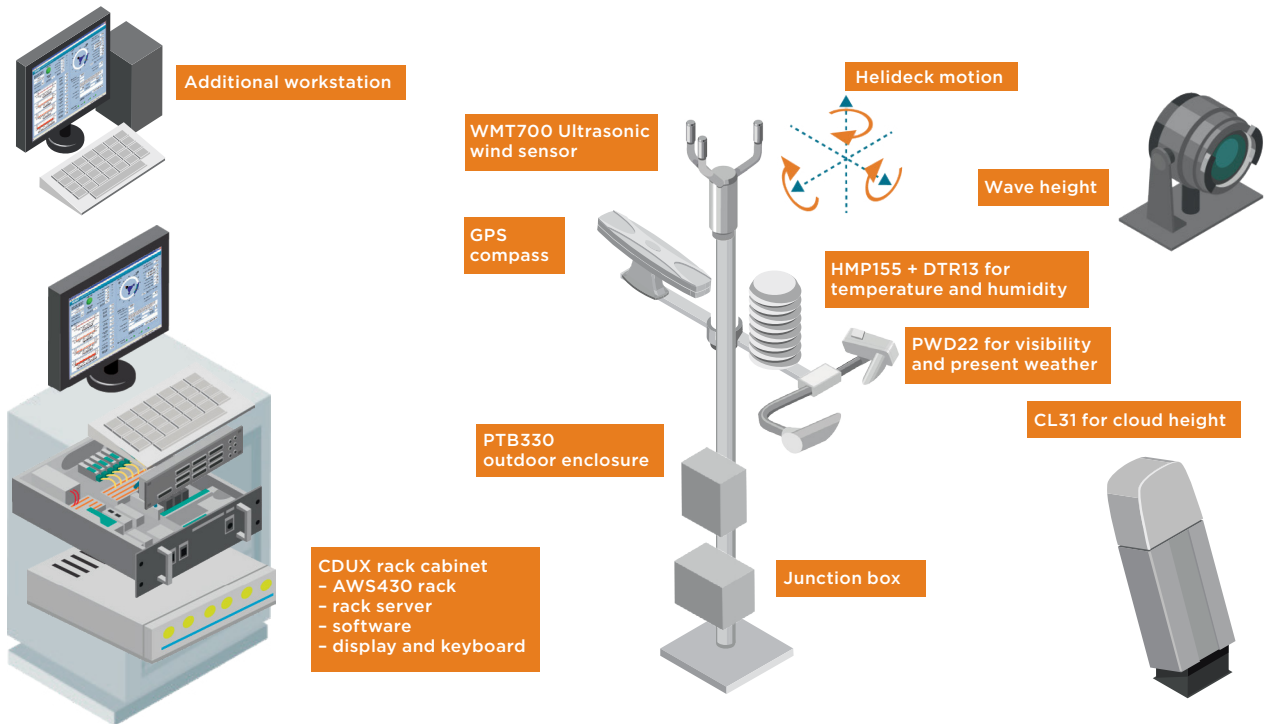
Optional Sensors

- Helideck motion: For floating and mobile installations Vaisala offers high-quality and accurate helideck motion sensors in all sea conditions.
- Wave height: Can be measured with a compact and maintenance free wave measurement system that optionally measures wave direction.
- Lightning detection: Vaisala's Global Lightning Dataset GLD360 is the only lightning detection network capable of delivering high-quality data anywhere in the world both offshore and onshore. Depending on location and needs, Vaisala also provides local lightning sensors for on-site lightning detection enabling early warnings and tracking of thunderstorm movement.

Vaisala Helideck Monitoring System for Outdoor Installations



Vaisala Helideck Monitoring System for Rack-Mounted Installations



Data Collection and Processing

The Vaisala AWS430 is an automatic weather station specifically designed for maritime applications. It integrates all the sensors providing power, data collection and storage, data quality control, statistical and various weather related calculations. The AWS430 comes either in an acid-proof steel outdoor enclosure or as a rack mounted model.

Services

With its global presence and the industry's widest sales and service network, Vaisala provides fast response, timely delivery, and quick and efficient service for our customers. Maintenance requests are handled swiftly by our service centers in China, Finland, Japan, the UK, and the US. Vaisala offers a full range of services: system design, manufacturing, delivery, pre-sales support, project management, installation, commissioning, spare parts, calibration and all-in-one maintenance packages.

Benefits

- Measurements are based on superior Vaisala sensor technology.
- Data collection runs on reliable Vaisala QML201 data logger.
- Outdoor and indoor installations available.
- The integrated Vaisala Helideck Monitoring System (HMS) is built to comply with CAA CAP437 and HCA Rev9 standards. The system is also designed for compliance with Norwegian (BSL D 5-1) and Brazilian (Normam - 27) requirements and relevant ICAO and WMO regulations.
- Vaisala technology is field proven and has been trusted for decades by the aviation community.
- With the Vaisala global service network support is local and timely.



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www.vaisala.com/maritime



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