Portable Environmental Monitoring System

When you need to capture, transmit and publish accurate data, in real-time from a temporary or remote location

Key Benefits:

- **Adapted to your specific requirements**
- **Portable unit is corrosion proof, dust-proof and waterproof**
- **Data is accurate and in real-time, enabling precision planning and decision making**
- **High quality data published on a user-friendly, secure web page**
- **Data access can be pin protected and allows for multiple users**
- **Web page can be viewed on portable or fixed devices**
- **Monitor environmental conditions from remote or temporary locations**

The OceanWise environmental monitoring system *Port-Log* is now available as a portable solution which monitors environmental data (tide, met, wave, air, water quality etc.) from remote, moving or temporary locations.

This solution employs the same proven technology as a fixed system by using robust smart telemetry, a cloud-based database and an easy to use web page.

The system can be configured to specific monitoring requirements and projects – so whatever environmental data you wish to monitor – we can create a portable solution for you.

The system is housed in a robust, light weight and waterproof peli case. This case has a retractable handle so that it's easy to transport and contains all the power sources required to maintain the sensors along with a telemetry unit which transmits the data safely, reliably and securely.

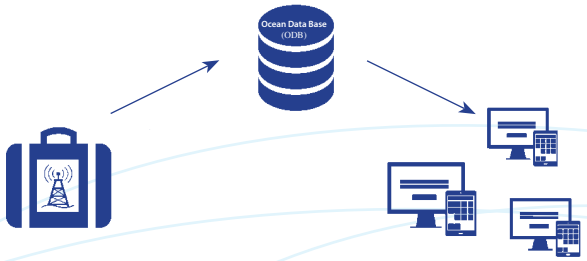
Why portable?

Making it portable eliminates the restrictions of a fixed station and allows monitoring from temporary or remote locations or those places where conventional land based sensors are not available (for example onboard a boat/vessel).

How does the system work?

The **Environmental Monitoring System** works much like land based monitoring stations. As we are instrument independent, we are able to advise which sensors and techniques are best suited to the specific requirements of the project. We connect our smart telemetry unit which collects and transmits the environmental data, to the sensor(s), and then store and publish that data into our publishing platform **Port-Log**.

The data is published in real-time and accessed via a user friendly but secure web page. The web page can be viewed on either portable or fixed devices such as smart phones, tablets, PPUs, laptops, PCs, etc.



Application Examples

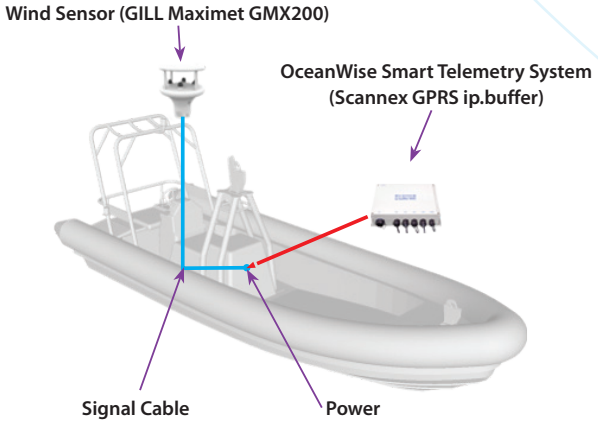
Portable Wind Station

Requirement: When you need to capture real-time wind speed and direction from the water at the start of, and during, yacht races.

Application:
The wind sensor is fixed to a mast on a safety dingy and linked via a signal cable to the portable peli case.

The waterproof peli case contains the battery and telemetry unit and records data every second, transmitting it via GPRS to a web page on **Port-Log.net**.

The data is accessed by multiple race officials on and off the water and displays real-time wind shifts allowing precise and informed decisions to be made with confidence. The web page includes a map interface which enhances the display and provides a holistic view of the race area.

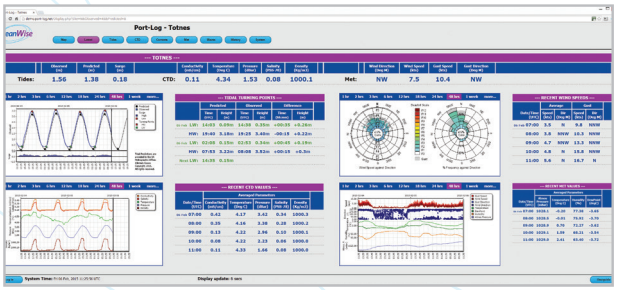


Portable Tide Station

Requirement: When you need to capture tidal data for essential dredging work where there is insufficient (or no) fixed tide gauges in place.

Application:
The tide gauge and portable tide station are fitted on a suitable platform (such as a dock or jetty) within the port / harbour area. The tide station is housed in a peli case which includes a battery and the telemetry unit.

Tidal information is captured and transmitted in real-time and published via **Port-Log.net**. Survey and dredging teams use the reliable, real time tidal data to make informed decisions which ensure safety and improve operational efficiency.



Make informed decisions based on Port-Log's accurate real time data feeds