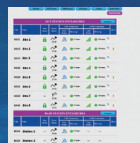# Environmental Data Sharing and Publishing

When you need to monitor, easily publish and share weather, tidal and other environmental data

Port-Log.net
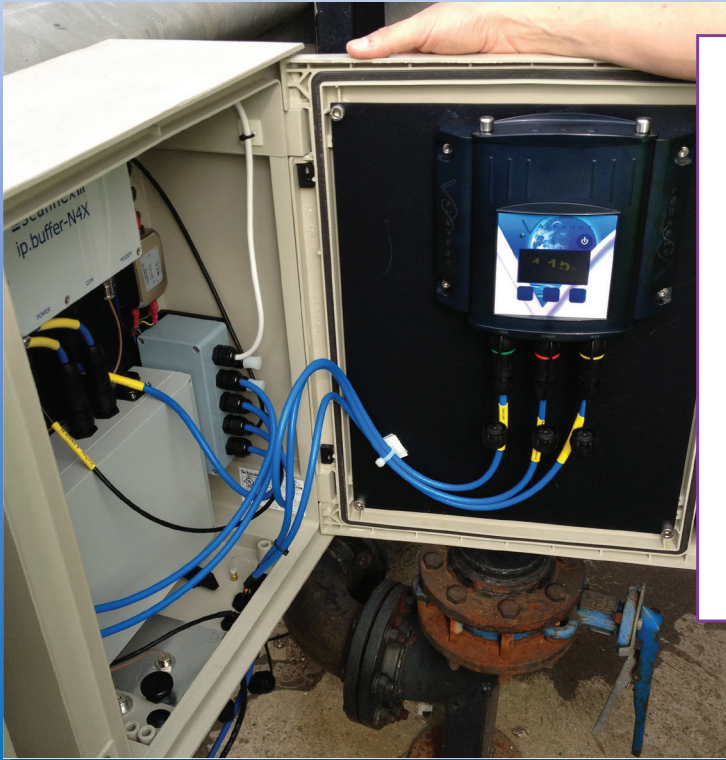
Port-Log System

Ocean Database

Design and Installations

We can design, build, install and test the most efficient system for you!

Design and Installations

*With over 40 years combined experience in the marine industry, working with different types of oceanographic instrumentation, **OceanWise** designs and installs integrated systems that are optimised to client needs*

Benefits

- **Designed and built by oceanographic experts**
- **Turn-key solution for every stage of your project**
- **Smart Telemetry tested in harsh environments so you never lose a record**
- **Weatherproof enclosures whether you are in a hot or cold climate**
- **All standard instruments and sensors integrated into a single system**

Our environmental data sharing and publishing solutions are manufacturer and instrument independent.
This means we can take a set of requirements and are able to advise and select the sensors and techniques that are best suited to meet these requirements for any given environment and location.
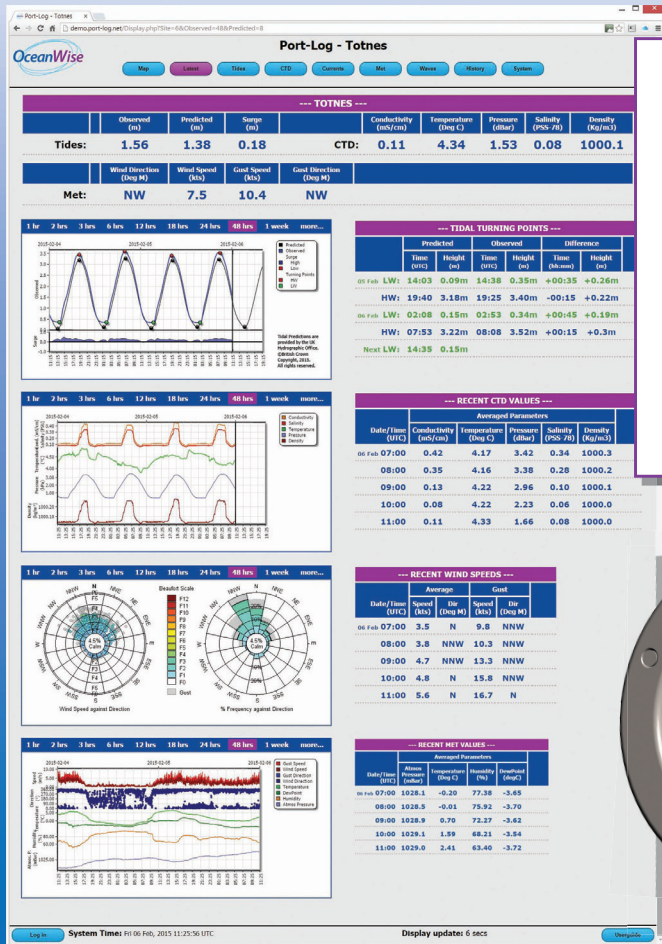
With our partners, we are able to supply the essential equipment required as part of a complete working system. This includes Smart Telemetry solutions, environmental Enclosures for hot or cold climates, computer equipment and software. For more information, please see our Enclosure or Smart Telemetry information sheets or visit our website.

If you have existing equipment and are in need of a data telemetry and/or management solution, or you are considering which equipment will work best in your environment, then please talk to us. We will be happy to discuss your ideas and how best to put them into practise. Remember, we will always recommend the best equipment for the task!
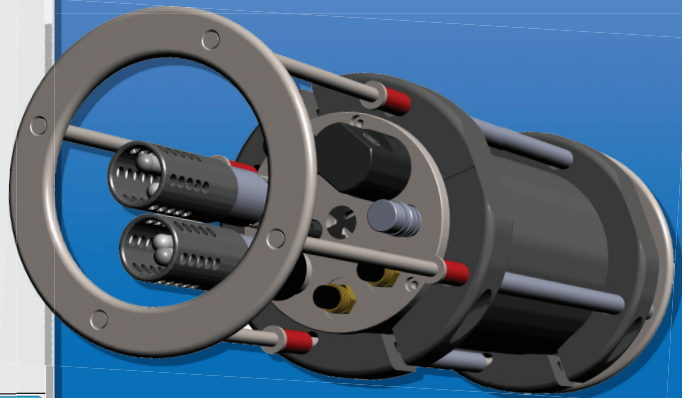
hydrosphere

Port-Log.net

Quick and easy 'cloud based' management and publishing of environmental monitoring data

Benefits

- **Cost effective, quick and easy secure data storage and publishing**
- **Instrument and transmission independent**
- **Publishes live or downloadable data**
- **Provides customisable system information and alerts**
- **Available as on-line subscription service**

Port-Log.net is a quick and easy on-line storage and publishing solution for environmental data acquired by different monitoring techniques and sensors.

Port-Log.net is totally instrument and transmission independent and hence can be used flexibly and comprehensively within most applicable environments.

Port-Log.net recognises data inputs from a wide range of different instruments, decodes this data and stores it securely in **Ocean Database.**

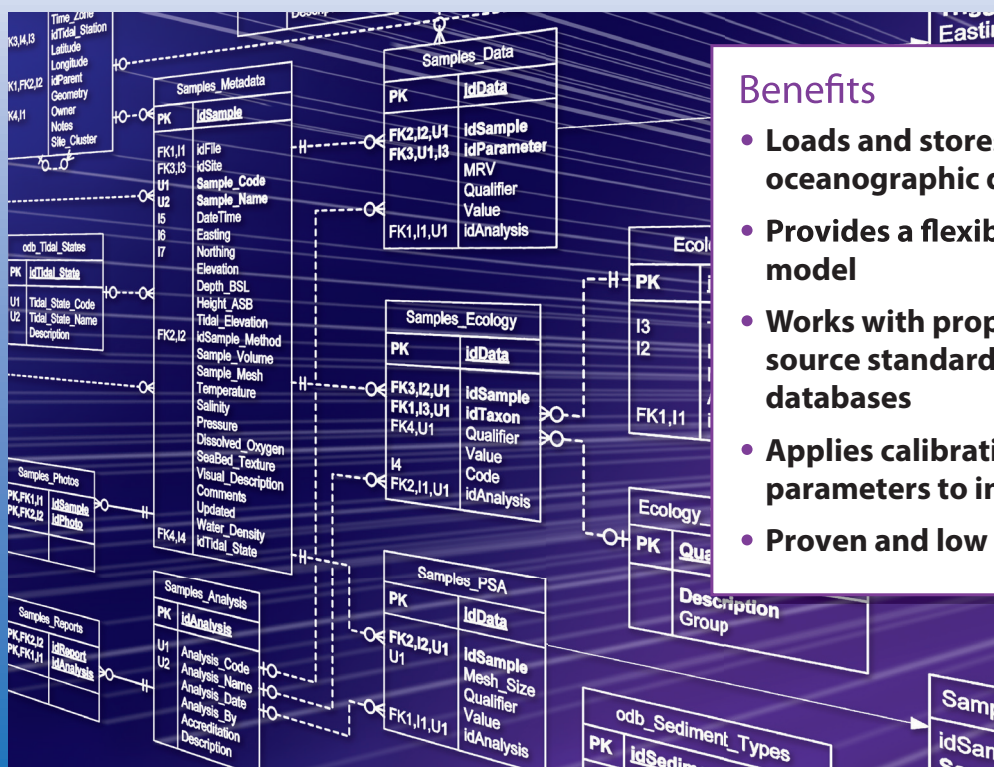Comprehensive web displays provide immediate and interactive access to scientific and system data, which can be viewed and downloaded by a range of different users with varying access and security rights. Triggers and alerts come as standard meaning users are always kept fully informed.

Different types of telemetry systems are easily configured to send data to **Port-Log.net**. Existing user equipment can be utilised or a Smart Telemetry solution can be provided by **OceanWise**. For more information, please see our Smart Telemetry information sheet or visit our website.

Web mapping provides situation awareness and is available with different base maps and data layers (e.g. tidal streams, hydrographic charts and other marine information overlays) can be added as optional extras to provide additional context.

www.hydrosphere.co.uk

Ocean Database

Proven and flexible data management solution
for all common types of marine data

Benefits

- **Loads and stores all standard types of oceanographic data**

- **Provides a flexible and extensible data model**

- **Works with proprietary and open source standard relational databases**

- **Applies calibration and QA/QC parameters to incoming data**

- **Proven and low risk solution**

Marine environmental data is complex and comes in a diverse range of formats. Storing this data centrally in a database with multiple means of access is an increasingly common requirement bringing with it many benefits.
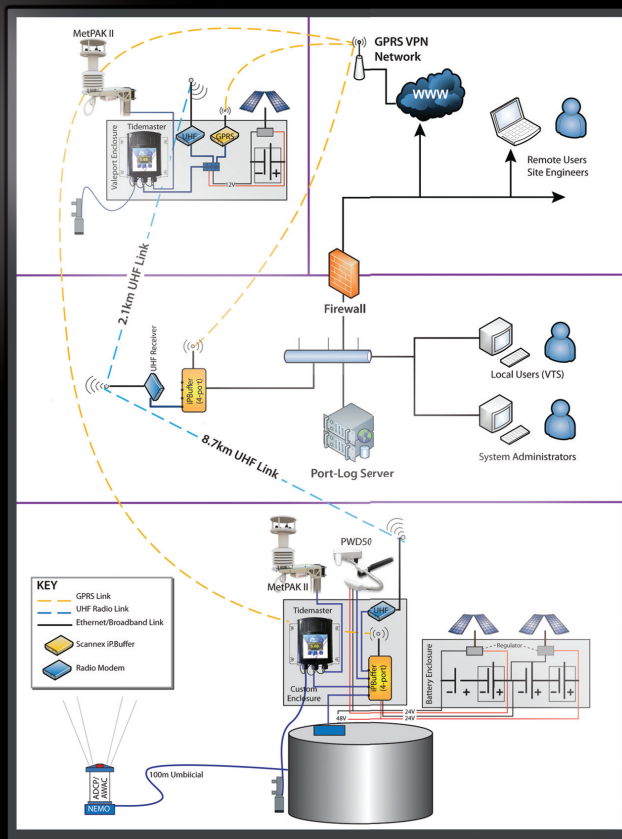
Ocean Database (ODB) is a complete data management solution that loads and stores many standard types of simple and complex marine and environmental monitoring data natively. Associated parameters used in calibration, quality control and metadata creation are included in the **ODB** data model.

ODB is at the heart of **OceanWise**'s **Port-Log.net** subscription service and is deployed as part of an installation of **Port-Log System**. **ODB** underpins all our marine data management solutions and Enterprise and GIS Productivity Tools.

hydrosphere

Port-Log System

Real-time environmental data storage and publishing software provided off-the-shelf and installed on site

Benefits

- **Off-the-shelf real time capability**
- **Installed on your own servers**
- **Works with standard IT and database architectures**
- **Web-based display system and control panel for access anywhere**
- **Foundation for environmental data management across your business**

Port-Log System **is a complete storage and publishing solution for environmental data acquired by different monitoring techniques and sensors.**

Port-Log System provides all of the features of Port-Log.net but is installed on site, either on a server supplied by OceanWise or the customer. Port-Log System comes with an installation of Ocean Database (ODB).

Port-Log System is able to handle a wide variety of environmental data types natively and includes multiple system and security parameters, calibration records, quality control procedures, all accessible via an advanced web-based control panel. A detailed user and system guide is provided in PDF format and on-line.

OceanWise is able to deploy Port-Log System and configure it to a client's requirements. Additional data layers e.g. tidal streams, AIS vessel tracking or port infrastructure can be added as optional extras to provide situation awareness as part of an integrated system or wider maritime information infrastructure.

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