

ABP Environmental Monitoring Network – powered by ‘OceanWise’

ABP is the UK’s leading port operator and boasts a network of 21 ports which are spread across Britain. These combined ports handle about a quarter of the UK’s seaborne trade and is a significant contributor to the economy estimated around £7.5 billion every year.

OceanWise has been working with Associated British Ports (ABP) since 2014 supplying a variety of products and services to its network of ports around the UK, from the short sea ports like Barrow to the large deep water port at Southampton.

“Provision of accurate tide and weather data underpins our services not only to commercial traffic but also to UK leisure sailors as well. The systems and support that OceanWise provides ensures we will be able to continue to do so long into the future.”

William Heaps, Technical Authority at ABP

Powered by Port-Log

“The relationships that we have built with OceanWise have been great. From a business point of view – their flexible approach means that our systems are more resilient and we can get the best out of our data.”

Becky Conway, Principle Hydrographic Surveyor, ABP Southampton

At the heart of many of the port's environmental monitoring systems is **Port-Log** – the **OceanWise** data platform which manages, displays and shares environmental data from sensors placed in and around the port.

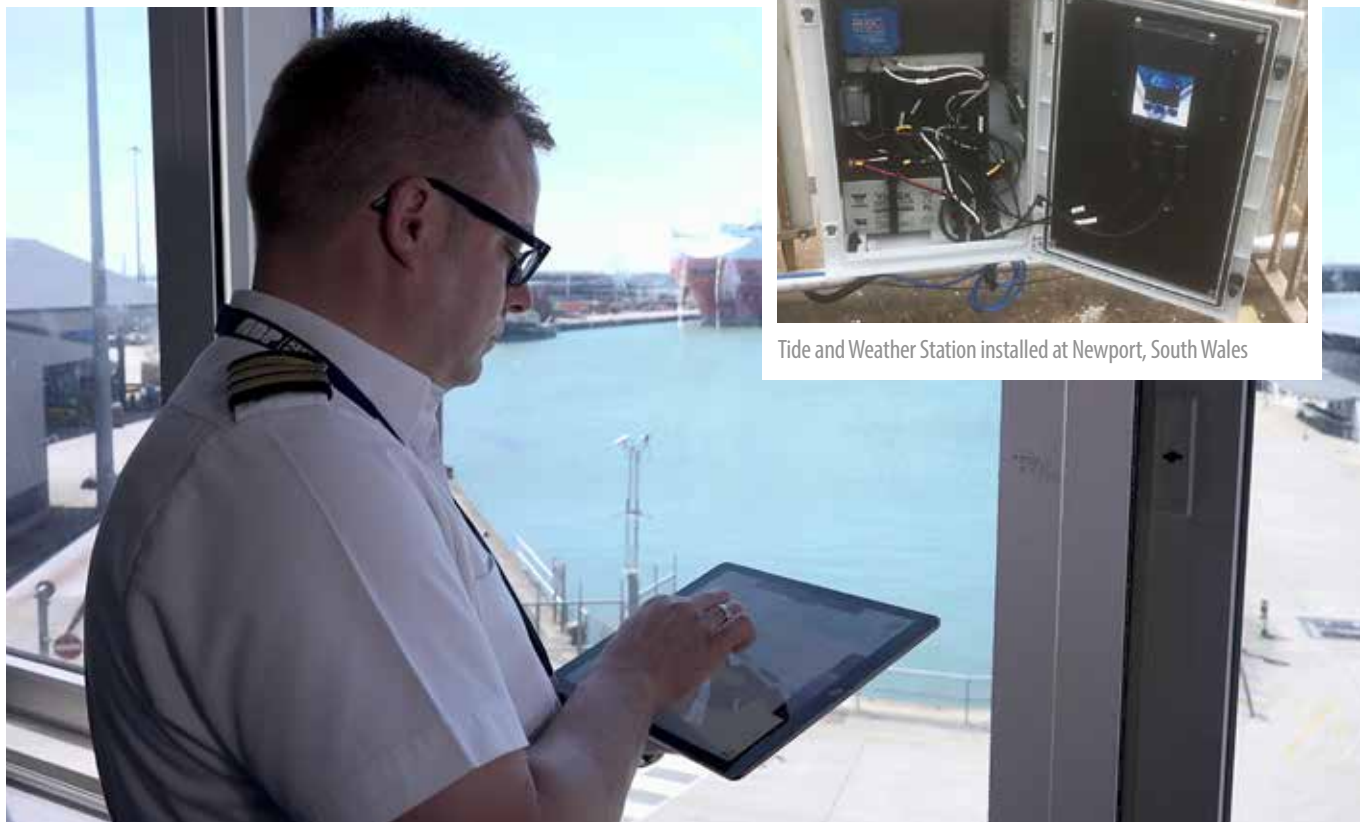
Initially when **OceanWise** first started working with ABP the data platform was installed to simply display real-time tide and weather data for the VTS team and hydrographers, however the use and complexity of the system has developed significantly over time.

As **Port-Log** is so flexible you can easily add sensors, add sites and develop who and how you share data, so today the system is used and appreciated by a huge variety of people inside and outside of ABP.

OceanWise recognises and appreciates that each port in the network has its own unique set of requirements and environmental conditions and have designed the system to adapt and cater for the complex needs of our customers.

Today, ABP's VTS teams continue to use it for operational decision making and safe vessel passage, but they generously share their data and integrate it, increasing the data's value and extending the return on investment in the sensors and systems.

We are proud to work with ABP and look forward to continuing to develop our system and relationship with this hugely important customer.



Tide and Weather Station installed at Newport, South Wales

ABP users and applications

Data used in-house by:

- ✓ Vessel Tracking Service (VTS) Teams
- ✓ Hydrographers and Survey Teams
- ✓ Marine Pilots
- ✓ Harbourmasters
- ✓ Marine Operations Teams
- ✓ Environmental Officers
- ✓ Marine Engineers

Data used to monitor (live & historical):

- ✓ Tide Heights and Levels
- ✓ Wind (incl Gust speed) and Weather (Visibility, Rain)
- ✓ Levels in Docks and Locks
- ✓ Air Quality
- ✓ Wave height, frequency and activity

Data shared to:

- ✓ **Dredgers** – direct real-time feed into the dredge software / used in conjunction with a portable tide gauge
- ✓ **Maritime Pilots** – webpages shared / real-time feed directly into PPU's
- ✓ **Marine and leisure users** – via customer facing websites, such as www.humber.com, and www.southamptonvts.co.uk
- ✓ **Survey Vessels** – webpages shared / fed directly into their systems
- ✓ **Weather Forecasters** – fed directly to forecasters to help improve the forecasts
- ✓ **Other Ports** – specific sharing agreements between ports where they share rivers/berths to enable live feed from shared Port-Log locations



About OceanWise

OceanWise Ltd is an independent company specialising in all aspects of marine environmental data acquisition, data and knowledge management and GIS providing customers with comprehensive and cost effective end-to-end marine and coastal data management and decision support. For more information about **Port-Log** or **OceanWise**, please contact us on: