

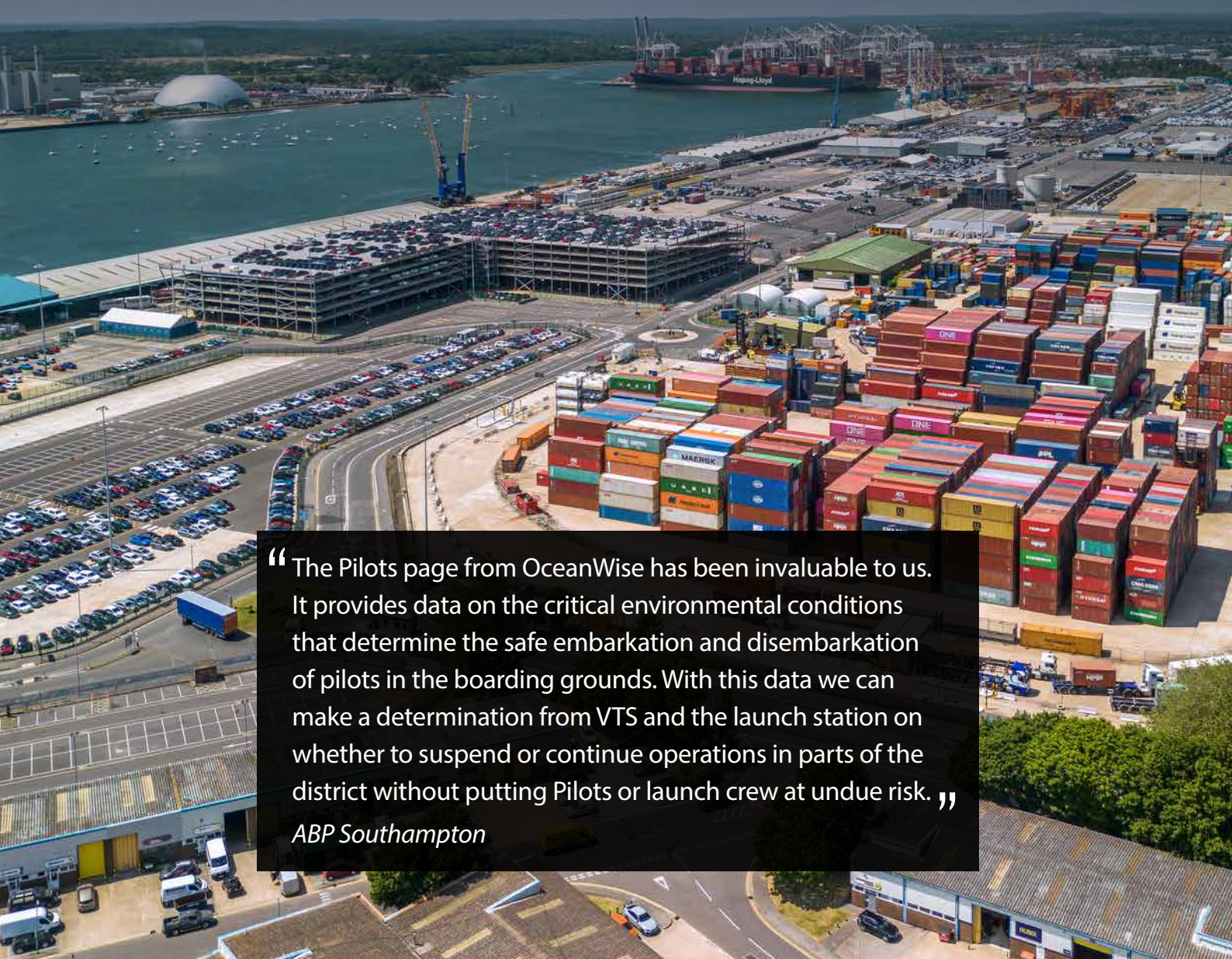
where your data matters

Customer
Case Study

Assisting Safer Pilotage Operations at ABP Southampton

Associated British Ports (ABP) Southampton challenged the OceanWise team to provide a customised product that assists with time critical decision-making and Pilotage.

OceanWise eagerly accepted the challenge and delivered a 'Pilots page', which is easily accessed via the cloud-based data platform Port-Log. The webpage provides a dedicated view for Pilots and is assisting the ABP team in Southampton to reduce lost time, effort and money from aborted Pilot trips and make safe embarking / disembarking decisions, on a daily basis.



“ The Pilots page from OceanWise has been invaluable to us. It provides data on the critical environmental conditions that determine the safe embarkation and disembarkation of pilots in the boarding grounds. With this data we can make a determination from VTS and the launch station on whether to suspend or continue operations in parts of the district without putting Pilots or launch crew at undue risk. ”
ABP Southampton

The project file

The Need

ABP Southampton is the UK's number one export port and provides a critical link in national and international supply chains including automotive, cruise and container trade. To ensure the smooth movement of commodities, ABP Southampton's maritime pilots require accurate real-time environmental data to assess current conditions and passage plan for some of the world's largest vessels.

Since 2014, OceanWise has been working closely with ABP Southampton to establish a network of environmental monitoring sensors and telemetry to provide data to the port's Pilots, Vessel Traffic Services (VTS) Operators, Hydrographers and wider port team to assist with vessel planning and decision-making through the use of OceanWise's Port-Log data platform.

ABP Southampton's Pilots and Pilot Boat Operators needed a dedicated view of the critical data used to make decisions as to whether it is safe to embark/disembark a pilot from a vessel at the designated boarding areas in the Solent and its approaches. This is not only a safety decision in terms of people movement but also a financial and environmental decision for pilot boat operations to reduce aborted trips to the boarding grounds due to unfavorable environmental conditions.

As these are time-critical decisions and often occur during busy operational periods, the operators require clear, concise and reliable information to be available in a single, easily accessible location for quick reference.

OceanWise have been developing solutions for ports for over 10 years and pride ourselves on our ability to listen and act flexibly to the needs of each and every customer. From our off-the-shelf data platform and range of software solutions, all are designed to make operational tasks quicker, easier, safer and more efficient.

Our Solution



With the Port-Log platform, and a range of internal and third-party sensors already delivering the data, the building blocks for this project were already in place, i.e. the environmental data from internal and third-party sensors. OceanWise were able to listen to the needs of ABP Southampton and create a customised Port-Log page incorporating meteorological and wave buoy data feeds from various locations in the vicinity of the Solent Pilot Boarding Areas.

This single webpage is displayed in the Pilot Boarding station for crews to monitor and refer to, as well as being readily available to pilots on their mobile devices.

To assist the decision-making process further, OceanWise has integrated an operational safety matrix, established by ABP Southampton, into the webpage to provide colour coding to values based on defined operational thresholds relating to the ABP Southampton's risk assessments.

If you could benefit from having your own Pilots page, have a specific data visualisation requirement or another challenge that you'd like our help with, please contact us today.



Enjoy the confidence of working with marine data experts
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