

New system for Harwich Haven Authority

Harwich Haven Authority (HHA) chose **OceanWise** to supply, install and maintain new tide and weather systems at the 900-year old east coast of England port.

British marine instrument specialist, Valeport, has partnered with **OceanWise** to deliver the environmental monitoring systems and continue its long-standing relationship with HHA.

“We are excited to be working with Valeport again delivering this dynamic new system to HHA. We proudly work with over 70% of the UK’s major ports delivering fit for purpose systems and equipment, that help our customers monitor the environment and share weather, tidal and other data easily and efficiently.”

Robert Proctor, Oceanographer at OceanWise

OceanWise and Valeport collaborate to supply environmental monitoring system to Harwich Haven Authority

“Valeport has supplied HHA since the mid 1980’s with tide measurement instrumentation and this new dynamic environmental monitoring system. Working with OceanWise we’re providing vital, accurate data in real-time which will enable precision planning and decision making at this busy port.”

Guy Frankland, Valeport marketing manager

HHA, a trust port, is responsible for 150 square miles of the Haven and attracts trade from all over the world seeing 40% of the UK’s container traffic travel through its area.

The bespoke system for HHA uses the latest technology to measure tide, weather and wave conditions at Harwich and Felixstowe. It includes a modern and dynamic environmental monitoring system with dual telemetry to ensure that continuous real-time data is available to the Port for its 24/7 operational needs. The integrated system provided by **OceanWise** was designed to incorporate best in class sensors within a robust, weather-proof Valeport Tidestation. Housed within these tidal observation hubs are Valeport TideMaster tide gauges fitted with vented pressure sensors or the water level VRS-20 radar level sensors and in some cases a Met Station from Gill Instruments.

The data from the sensors within the TideStation is collected and transmitted via GPRS using **OceanWise’s** smart telemetry and is transmitted to **OceanWise’s** cloud-based data management and display system, Port-Log for storage and publication of information. Port-Log provides fast access to the data, in a variety of displays, which can be viewed in real-time or historically on portable or fixed devices.

The new environmental system provides HHA with continuous real-time tide and meteorological data instantly to assist in all operational aspects of the port aiding survey, dredging and vessel movement.

Although Port-Log is instrument independent, **OceanWise** and Valeport have collaborated on numerous environmental systems and supplied similar solutions to many ports and harbours since 2012.



Valeport Tidestation being installed at HHA



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 our team on:

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Valeport is a UK company who designs and manufactures instrumentation for the oceanographic, hydrographic and hydrometric communities. Please visit their website www.valeport.co.uk for more details.

