



*where your data matters*

Customer  
Case Study

## Port of Tyne elevate their real-time weather displays with the Port-Log Forecast Extension

“ Adding the OceanWise Forecasting Extension to our Port-Log online platform has been transformative for our operations. It provides us with precise and reliable weather forecasts and tidal predictions on a single screen. This has helped streamline the process for our operators, giving them access to all the environmental information they need to make informed decisions for port operations and vessel movements in one place. ”

*Port of Tyne*

# THE PROJECT FILE

**The Port of Tyne is one of the UK's most innovative and efficient deep-sea ports and is continually investing in improving and extending their facilities and technologies.**

Following the successful implementation of the widely-used marine data platform 'Port-Log' at the Port of Tyne, OceanWise were approached to develop an extension to the platform which allows users to visualise real-time environmental data, tidal predictions and meteorological forecasts together, in one place.

OceanWise have been developing solutions for ports for over 10 years and pride themselves on their ability to listen and respond flexibly to the needs of each and every customer.

From their off-the-shelf data platform to their software range, all solutions are designed to make operational tasks quicker, easier, safer and more efficient.

## The Need

In the dynamic environment of port operations, weather forecast data and real-time weather information is vital, however, as there is no integration of these two datasets, the user has to visit multiple websites or platforms to find the required information. This is a laborious and time intensive way of accessing information which is required on an instantaneous and constantly changing basis.

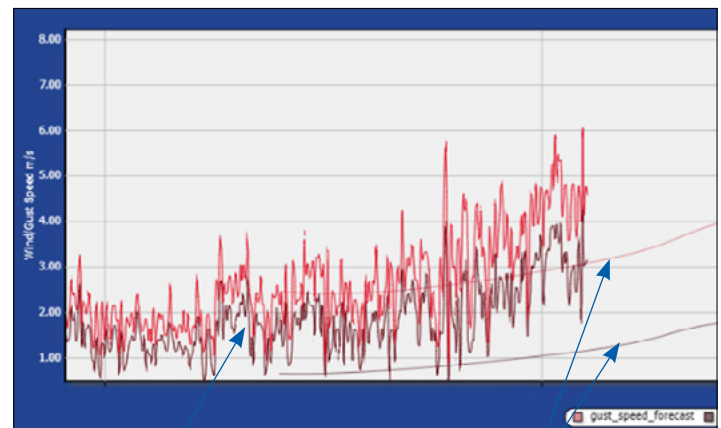
Weather data supports time-critical decisions during busy operational periods. Operators require clear, concise, and reliable information to be available for quick reference in a single, easily accessible location.

## Our Solution

As an existing customer of OceanWise's Port-Log Data Platform, the fundamental building blocks for this project were already in place.

OceanWise integrated the weather forecast data, which was already being used within the Port's marine operations, into the Port-Log environment.

Implementation of the Port-Log Forecast Extension facilitates integration of weather forecast data with real-time weather feeds. This adds significant value to the Port's environmental monitoring data and is a comprehensive solution that empowers port authorities and operations to make informed, timely decisions that positively impact the safety, efficiency and overall success of marine and landside operations.



REAL-TIME DATA

FORECAST DATA

### The Benefits of Integration:

- **Operational Resilience** – anticipating weather changes enables proactive decision-making, reducing the impact of adverse conditions on both marine and landside operations.
- **Enhanced Safety** – by factoring in weather forecasts, ports and harbours can implement safety measures and protocols to protect vessels, cargo, and personnel.
- **Improved Efficiency** – having an improved understanding of forecasted conditions alongside real-time live data can assist in optimising scheduling and resource allocation, thus minimising downtime and maximising operational efficiency.

If you have a specific data visualisation requirement or another challenge that you'd like our help with, please contact us today:

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