

where your data matters

Customer
Case Study

Monitoring the Medway: A Bridge Between Heritage and Innovation



“As an historic charity we understand the importance of utilising the best resources available for the long-term benefit of Rochester Bridge. This monitoring equipment is an efficient, easy to use tool that provides us with real time data, enabling us to make informed decisions about our maintenance activity.”

James Booth, Director of Bridges, Rochester Bridge Trust

THE PROJECT FILE

About OceanWise

OceanWise specialises in environmental data management and monitoring solutions that empower organisations to make better operational decisions.

From real-time data platforms to tailored software solutions, OceanWise helps customers optimise processes, enhance safety, and improve efficiency.

For more than six centuries, Rochester Bridge has stood as a lifeline across the River Medway – a crossing point that has shaped local trade, transport, and community life. The Rochester Bridge Trust (RBT), guardian of the bridge since 1399, has always carried the responsibility of protecting this heritage asset while ensuring it meets the demands of a modern working river and road network.

With changing weather patterns, the growing need for sustainability, and the constant challenge of keeping disruption to a minimum, the Trust knew it was time to look to the future.

The Challenge

Regular site visits and manual checks had long been part of the Trust's maintenance routine. Yet these processes were time-consuming, costly, and carbon-intensive.

The Trust set out a clear goal:

- Reduce its carbon footprint in line with a **Net Zero** maintenance strategy.
- Improve the safety and reliability of the bridge.
- Gain real-time visibility of environmental conditions to make better, faster decisions.

A Smarter Solution

Partnering with **OceanWise**, RBT now have a modern environmental monitoring system designed for accuracy, reliability, and ease of use. The sensors, which include a Gill Maximet 600, an OceanWise C23 Radar and Vaisala AQT560 Air Quality sensor, now provide continuous data on water levels, tides, and weather conditions, with all information delivered straight into **Port-Log**, OceanWise's secure, cloud-based data platform.

The benefits go beyond numbers on a screen:

- Live and historical data tracking of river conditions.
- Automatic alerts when thresholds are exceeded.
- Seamless sharing of insights across teams and stakeholders.

Real Impact

The results have been immediate and tangible. Since installation, the system has:

- ✓ **Reduced site visits, saving time, money, and emissions.**
- ✓ **Delivered accurate, real-time data to support proactive maintenance and safety decisions.**
- ✓ **Helped minimise disruption for both road and river users.**

By embracing modern monitoring, RBT has shown how a historic charity can balance heritage preservation with innovation — ensuring that Rochester Bridge continues to serve the community safely, sustainably, and effectively.



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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