The integration of the Dredge Master system with OceanWise is highly beneficial during dredging operations. The tide gauge provides real-time and accurate tide level data, allowing dredging operators to work based on the current water levels. This ensures efficient dredging operations by optimizing dredge depth. All necessary information is displayed in one place, and the combination of these technologies enhances dredging accuracy, minimizes environmental impact and improves overall operational effectiveness, while remaining extremely user-friendly.

The Dredge Master system

Most UK ports are maintained by trailer, excavator and plough dredgers using the Dredge Master system from Foreshore Technology. This system is used globally and has accumulated over 1.5 million hours of dredging. The system provides an easy-to-use interface, enabling operators to monitor their dredging equipment and the surrounding environment in real time. Clients rely on accurate and timely tide data for their dredging operations. Integrating with OceanWise’s Port-Log system has enabled operators to access rich features, displaying not only the current tide levels but also dynamically indicating areas of safe passage based on the vessel’s current draft. OceanWise provided Foreshore Technology with a test server, login details, excellent documentation and support, making the development process straightforward and allowing them to provide a solution in record time.

The Port-Log platform

Port-Log is a quick and easy storage and publishing solution for environmental data from OceanWise. It is used globally and can be delivered as a pure cloud-based subscription or, as with the Dredge Master system, easily integrated to provide data to other third-party systems and platforms. Flexible, configurable and proven reliable, Port-Log is entirely instrument and transmission independent, making it deployable in almost any application and environment.