

*where your data matters*

Customer  
Case Study

## ABP Port of Southampton benefits from GIS

“ GIS and the specialist maritime tools and expertise provided by **OceanWise** are now integral to our operations. We have replaced our old paper and spreadsheet based systems with centralised data and information management and access. ABP Southampton with the help of **OceanWise** has been one of the first ports in the UK to benefit from this modern approach. ”

*ABP Southampton*





## The Requirement

ABP Southampton had a requirement to modernise and improve the efficiency of its management processes for various aspects of its business, including regulatory compliance. To enable this, port personnel required access to appropriate and 'fit for purpose' data and information, the majority of which has a spatial context. As a result, GIS (Geographical Information System) was identified as an ideal means of capturing, combining and disseminating this data.

ABP Southampton's existing operational workflows were paper or spreadsheet based and were inefficient in terms of management, access, analysis and use of data. Port managers recognised they required assistance in improving and modernising these workflows, especially those that were heavily reliant on data, including hydrographic surveys, dredging planning and management, nautical and thematic chart production, infrastructure and asset management, and conservancy.

## Key Benefits for ABP

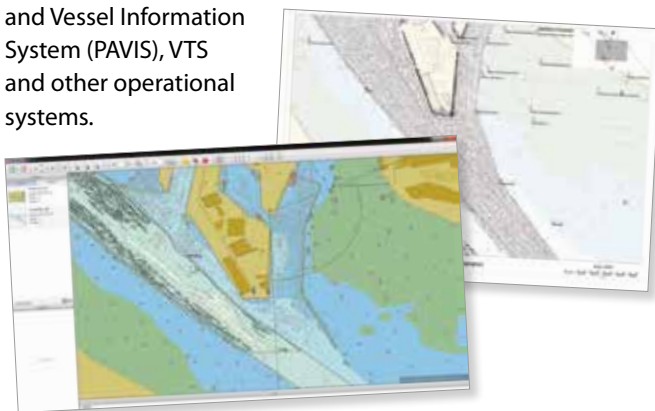


- **Data is stored centrally and shared between systems, thereby improving efficiency and reducing risk in decision making**
- **Removal of multiple legacy systems and simplified workflows**
- **Conservancy and compliance made quicker and easier**
- **Improved access to port information and status**

## Methodology

In order to help with this requirement, ABP Southampton chose marine and maritime data management experts, **OceanWise**. Off-the-shelf software provided the platform on which to implement **OceanWise's Enterprise GIS** and **Productivity Tools**. This resulted in ABP Southampton simplifying its workflows and replacing around 10 legacy paper and spreadsheet based 'silos', thus enabling their data to be managed in a single centralised system.

Data is stored once and used many times, reducing management overheads and the risks associated with using incorrect data from incorrect or out-of-date sources. By consolidating the storage of critical data into **OceanWise's Ocean Database**, ABP is able to use and link this data into other applications, including ABP's Port and Vessel Information System (PAVIS), VTS and other operational systems.



An additional benefit of this 'information infrastructure' has been the availability of data for situation awareness. At a glance, ABP personnel can see a common operating picture of the port, including the location and status of infrastructure and assets, such as Aids to Navigation, and details of past and planned survey and dredge areas.



These improvements are also enabling much quicker and robust reporting to regulators. Using '3 clicks' to create disposal licence returns to the MMO has resulted in significant time and resource savings. Linking dredging and licensing information to environmental samples data means that the results for a dredge or survey area can easily be assessed, including for example the ability to highlight results which may exceed regulatory Action Levels.

**OceanWise** has helped ABP develop its data management capability and, by using the functionality provided by **OceanWise's** software, port personnel can automatically report to ABP Group on such topics as environmental compliance.



Enjoy the confidence of working with marine data experts  
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