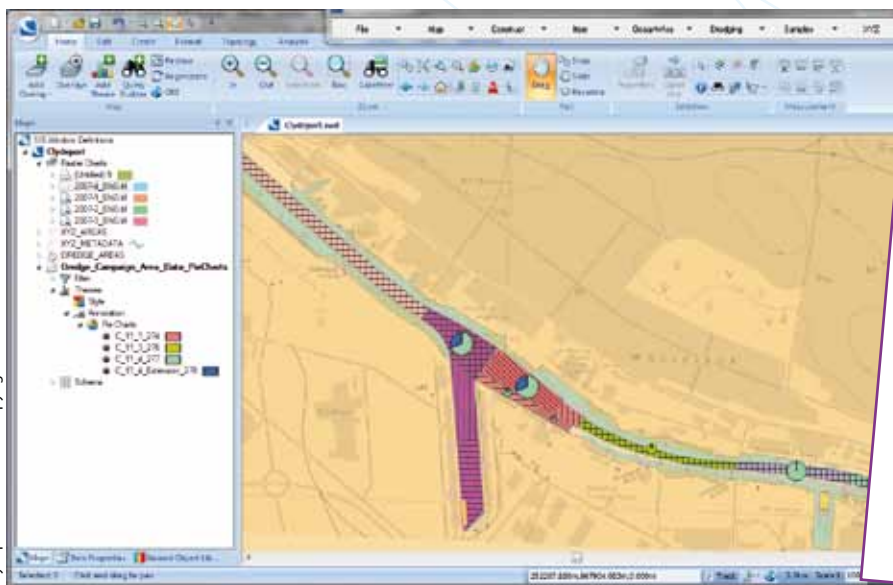# Maritime Toolbar

Dredging & Licensing Management Extension

Tools to meet the workflow demands of the maritime user

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Key Benefits:

- Implements the philosophy of 'lean' management
- Assists in ensuring compliance with regulators
- Tailor-made to support common maritime tasks
- Improves productivity and efficiency
- Helps standardise data inputs and outputs
- Reports customised to individual organisations

Geographic Information Systems (GIS) offer multiple benefits to maritime users wishing to acquire, analyse and disseminate environmental, asset and business data using 'location' as a common factor. *Maritime Toolbar Extensions* **build on the data management and manipulation tools inherent in GIS and OceanWise** *Maritime Toolbar* **to address particular workflow demands within an overall maritime information infrastructure.**

Organisations carry out specific tasks to address business and operational needs. Efficiency is improved by breaking these tasks down into well-defined steps or processes. Each process often relies on data that is developed as a result of a previous task, output from a different system or is acquired externally. The interface between processes can be a source of major inefficiencies and frustration, either because information is not easily accessible or requires considerable preparation

before it can be used. **Maritime Toolbar** and its **Workflow Extensions** uses the philosophy of lean process management by providing the tools required to manage common data as a central resource and streamlining the exchange of data between processes, systems and external stakeholders.

Maritime Toolbar Workflow Extensions have been developed in collaboration with port operators to meet their exact requirements. However, they will be of benefit to other maritime users involved in planning, constructing and operating all types of coastal or offshore infrastructure. Other Extensions are currently available for the following maritime processes:

- Hydrographic Survey Management
- Environmental Samples Management
- Infrastructure and Asset Management

Each extension can be installed alone or in combination depending on individual requirements. Extensions for other maritime processes are in development, please contact **OceanWise** for further details.
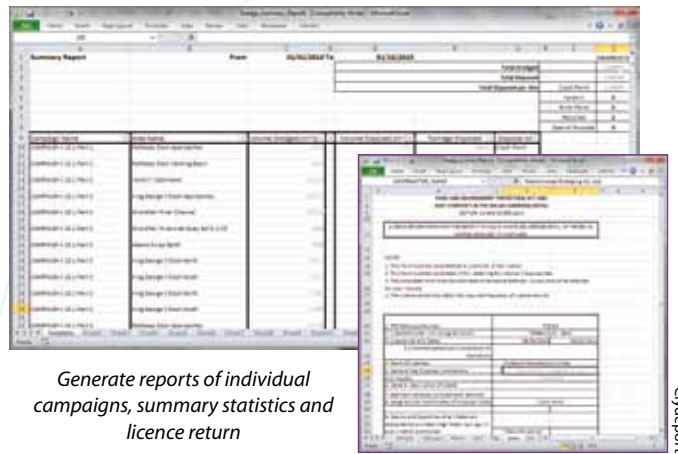
Dredging and Licensing Management

Add regulatory licence information and monitor against requirements

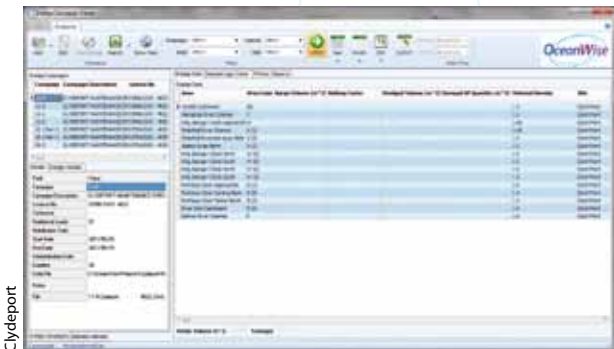*Link photos and reports to campaigns*

The planning and management of dredging or other maritime operations requires a variety of different data and information to be recorded and assessed. Knowing about existing licences and being able to apply for new ones as effectively as possible is essential to ensuring legal compliance, improving effectiveness and reducing risk. Being able to identify areas and volumes to be dredged, and assigning details and a value to this information to use in budgeting and planning, is a common task.
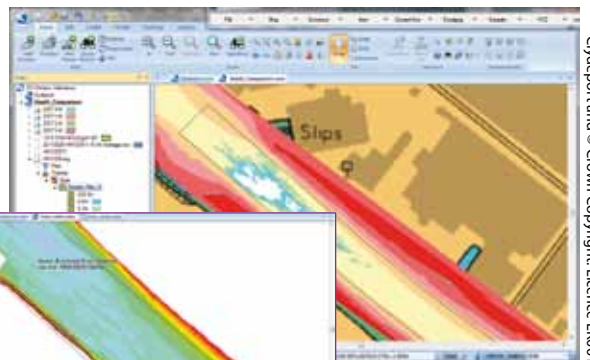

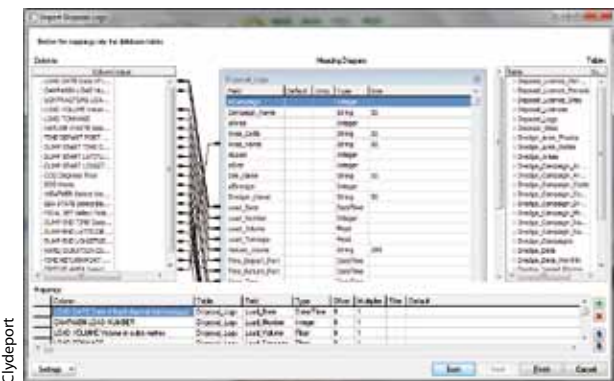*Generate reports of individual campaigns, summary statistics and licence return*

Record campaign data including volumes and locations dredged

Exchanging data with contractors in an efficient risk free way is an added benefit executed using standard templates and reporting tools. These can be provided to the contractor, completed and returned to ensure data is loaded to the database easily, without the need for manual transcription.

Identify target areas and calculate volumes for planning and budgeting

Maritime Toolbar and its **Workflow Extensions** run as a standalone application or as an 'Add-In' to Cadcorp SIS, which provides the spatial or mapping functionality. At their core is **Ocean Database**, comprising a bespoke data model developed from many years' hands-on experience. **Ocean Database** can be realised in a range of Relational Database Management Systems (RDBMS), such as Oracle, Microsoft SQL and PostgreSQL, and is at the heart of the **OceanWise**'s maritime information infrastructure product and service range. Data templates, exchange standards and reports provide the link with stakeholders. They can be customised to contain user details, logos and to match with specific regulatory regimes or practices.

Load dredger disposal logs using standardised templates