## Port of Melbourne Selects Bathymetrical Database



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CARIS has recently completed a successful project for the provision of a bathymetrical database system for the Port of Melbourne Corporation (PoMC, Australia). PoMC conducts regular bathymetric surveys as part of its statutory obligation to provide safe and effective transit of vessels through the harbour. The project involved the integration of CARIS Bathy DataBASE and the Engineering Analysis Module into existing PoMC workflows.

CARIS Bathy DataBASE is a management system for bathymetry data, with successful installations in over twenty countries. Bathymetry assets from a multitude of sources can be brought together, regardless of file size or data source and managed using the latest database server technology and sophisticated client applications.

In order to provide greater functionality for users in the ports and waterways environment, the Engineering Analysis Module was introduced into the Bathy DataBASE product suite. The module assists the management of ports and waterways with tools, such as reference model creation and editing, conformance analysis, shoal detection and volume calculations.

CARIS's Matthew Gudger was on site for the implementation period of the new system, which included training, user acceptance testing, and data migration of PoMC's existing data repositories using a metadata catalogue customized to suit the PoMC environment.

PoMC is the strategic manager of Australia's largest container and general cargo port. Responsible for the integrated management and development of land and maritime functions including the port's property and assets, shipping channels, commercial navigation and associated infrastructure, PoMC is charged with managing its operations in a sustainable manner to ensure it continues to provide economic and community benefits now and in the future.

Image: Bathymetric surveys loaded in the database at the entrance to Port Phillip Bay.

https://www.hydro-international.com/content/article/port-of-melbourne-selects-bathymetrical-database