

Depth Gauges for Port Authorities



Stema Systems has announced that it has received new orders from the Hamburg Port Authority and the Bristol Port for nautical depth survey systems. The Bristol Port company completed its Silas and RheoTune system with the Silas EBP-10 transceiver unit. The unit has been handed over to Mark Burrows during Ocean Business.

A single demo survey was required to show the added value of the increased data quality. Better S/N ratio will help to optimise the correlation of the acoustic signal with the in-situ DensiTune measurements. The nautical depth can now be established more accurately and economically.

Secondly the Survey department is prepared to do sub-bottom investigations with the intended Port extension works in mind. The Hamburg Port Authority placed an order for the Stema products for the mapping of the nautical bottom. The estuarine inlets, where most German harbours are located, show significant mud concentration in the watercolumn and hyperconcentrated fluid muds migrate through the area. To increase the efficiency of asset management of their shipping channels and berth area's the port has ordered a complete system. The RheoTune, for in situ density and yield strength measurements, is combined with the Silas high resolution seismic system for the nautical depth mapping. The Intelliwinch automated deployment system comes with the RheoTune to achieve hundreds of profiles a day. The Silas software will be working with the newest Kongsberg sounders.

In conjunction with the Hamburg Port and Kongsberg, a preliminary evaluation has been conducted which revealed that the interface is a great solution. The first project meeting with Thomas Thies of the Hamburg Port Authority took place on Ocean Business and Stema Systems are looking forward to make a success of the implementation of both the nautical depth system and the integration with the Kongsberg sounders.

<https://www.hydro-international.com/content/news/depth-gauges-for-port-authorities>
