

## Hydrographic Services

Our Multibeam Echosounder setup provides a fully integrated system that can be mobilised on our vessels, or vessels of opportunity. Providing accurate positioning and visualisation of the seabed and man-made objects. Ports of Jersey employs a dedicated Hydrographic Surveyor (CAT A FIG/IHO accredited) to provide an end to end comprehensive service.

<b>Bathymetric Surveys to IHO Special Order Standard</b>	<b>Engineering and infrastructure support</b>
<b>Dredge support surveys (Volumes Surveys)</b>	<b>Wreck and object detection</b>
<b>RTK base station capability</b>	<b>Wave and current profiling</b>

<b>Multibeam Echosounder: R2Sonic 2024</b>
0.5° x 1° Beam widths 700kHz, UHD enabled
<b>Inertial Navigation System – SBG Apogee Navsight</b>
A fully integrated INS system providing motion compensation and positioning 0.008° roll / pitch accuracy 0.03m Vertical accuracy with RTK
<b>Hypack Survey Software</b>
Hydrographic acquisition system, processing and final product production Survey planning Volume calculations
<b>Hemisphere positioning, UHF RTK and DGNS</b>
UHF signal link providing real-time Kinematic corrections ranging up to 10km ATLAS Link H10 Offshore L-Band Differential GNSS positioning correction
<b>Wave and Current Profiling – Nortek AWAC</b>
Acoustic Wave and Current Profiling AST – Acoustic Surface Tracking