

# Dual Head Teledyne RESON T20-P for Proteus



As part of their systems upgrade programme, seabed survey company Bibby HydroMap are to install a full rate dual head [RESON T20-P multibeam echo sounder](#) on coastal survey vessel *Proteus*. The T20-P is a portable multibeam echo sounder designed for smaller vessels and features a range of features ideally suited to high-quality shallow-water data acquisition.

With an operating frequency of 200-400kHz, the T20-P is comparable in features to the popular [SeaBat 7125 system](#), with a configurable beamformer, high-density beams with multiple detection capabilities, water-column and intelligent automation; making the unit a versatile solution.

Despite being compact, the new SeaBat T20-P is reliable and highly robust, designed to withstand the most challenging marine environments. This, in addition to the dual receiver setup providing up to 10x water depth coverage, greatly improves survey efficiency and cost-effectiveness.

Principal Surveyor Tom Davenport expects to see increased productivity and to deliver reduced operational times, especially in the challenging shallow-water sites they often face.

MV *Proteus* can work up to 60 miles from a safe haven under MCA Category 2 and has a maximum speed of 24 knots. The vessel benefits from a shallow draft of just 1.0m making her ideal for inshore operations, while the hull design ensures exceptional manoeuvrability at both low and high speeds and incorporates a low drag profile providing fuel economy.