



## Upgrade to SEA's SWATH*plus* sonar family

### SEA's expertise delivers new level of sonar technology

SEA (Group) Ltd has launched an upgraded high-resolution bathymetric and sidescan sonar system at OTC Houston.

Based on the company's established SWATH*plus* range of bathymetric and sidescan sonars, SEA has added a 468 kHz high frequency interferometric wide swath sonar to its range to provide increased swath performance and resolution in shallow waters, complementing its existing deeper water 117 kHz and 234 kHz versions.

Enhancements to both hardware and software algorithms include double sided pinging for faster track coverage, improved serial timing and synchronisation with external systems, improved sidescan data and processing to third party software, simpler operator interface, the ability to handle larger grid files with higher resolution for longer surveys, improved third-party interface with a full range of hydrographic processing applications and a USB interface to allow SWATH*plus* to be used with any modern PC or laptop.

The result is a wider swath to depth ratio, on average around 10:1, with high resolution imaging maintained right up to the edge of the swath. The system is small and robust, and as swath width is insensitive to roll, the system is suitable for deployment on small vessels.

Commenting on the latest developments to the product, Kieron Gubb, Managing Director, Marine Systems Division, said: "We have optimised each part of our hydrographic readings to suit the environment and meet survey requirements."