

# Digital Side Scan Family



A new digital side scan family has been launched at The Unmanned Underwater Vehicle Showcase (UUVS) in Southampton. Subsea technology company, Trittech International are showcasing the new comprehensive range which has been tailored to suit requirements from shallow depth imaging to seeing in far deeper conditions.

Building on the success of the advanced side scan sonar systems Trittech complete the family with the next generation model, the daddy of the family; The SeaKing Towfish SK150 DST. Specifically designed to fly at depths of up to 250 metres, the SK150 can be used for high resolution surveys at depths other lighter systems can't reach.

The SK150 combines the very latest Trittech DST (Digital Sonar Technology) electronics with industry leading transducer design and digital CHIRP signal processing techniques to dramatically improve range resolution and generate sonar images of unprecedented clarity.

The advanced 150kHz composite transducer assembly provides superior image quality and long range. The SK150's simple, modular design provides increased reliability and facilitates quick in-field repairs should any damage occur during operation. All electronics are located in a single subsea pressure housing isolated from the rest of the towfish.

The low cost, stabilising fins can be easily replaced if damaged and a simple sheer and recovery mechanism is provided in the event of the SK150 becoming snagged.

As part of the Trittech SeaKing suite of survey sensors, it is possible to run the SK150 with other SeaKing sensors over one communication link. The SeaKing Towfish SK150 DST may be connected to a Seanet SCU surface control or most standard laptops and PC's with Trittech Seanet Pro software installed. In addition to the display of side scan sonar data, the system will take position input from GPS. This information is recorded along with the sonar data to allow a 'fix' of a target. The post processing export facility will convert the logged data to XTF and CSV formats for third party software packages. The SK150 is also fully compatible with all Kilttec and Easyreeling electric winches.