iXSea Launches â€˜ECHOESâ€™ CHIRP Profiler Range

iXSea has recently launched â€˜ECHOESâ€™, a new generation of CHIRP sub-bottom profilers. Designed to meet the most demanding of geophysical applications ranging from coastal works to full ocean depths, the ECHOES CHIRP range provides better knowledge of the sediment acoustics and geology through increased penetration and superior resolution.

The ECHOES CHIRP 3.5 kHz antenna is based on 7 wideband technology transducers which provide for improved directivity and has a power output of up to 9KW. The flat spectrum ranges from 1.8 to 5.2 kHz and is centred on 3.5 kHz. The data acquisition software (Delph Seismic+) includes a true multi-ping capability for full ocean depth operations: geo-technical surveys and cable route surveys for the geo-technical, scientific and defence industries.

This system is already in use with Ifremer and has also recently been commissioned by COOC, China.

The ECHOES CHIRP 10kHz has been designed for shallow water surveys, ports, lakes, estuaries, waterways and coastal areas, it is particularly suitable for pre-dredging surveys and for archaeological and buried object detection projects. Its 7 transducers antenna provides improved directivity. The flat spectrum ranges from 5.0 to 15kHz and is centred on 10 kHz.

The low frequency ECHOES CHIRP 1.5kHz sub-bottom profiler is an all-in-one solution to replace sparker and boomer technology. Based on a single transducer (Janus Hemholtz Technology), it offers high power and a 2kHz wide bandwidth and has a flat spectrum centred on 1.5 kHz.

This system has most recently been delivered to De BEERS Marine.

All of the ECHOES CHIRP Profilers are supplied complete with the Delph Seismic+ data acquisition and processing system.