S-Boom Technology for Fugro

Fugro Survey (Middle East) Ltd has ordered Applied Acoustics' S-Boom sub-bottom profiling system for its geophysical survey operations based out of Abu Dhabi (UAE). Developed for shallow-water, ultra-high resolution surveys, the S-Boom system had been undergoing extensive trials with Fugro during the late summer of 2011 before being accepted and selected at the end of that year.

S-Boom sub bottom profiling systems combine the power of three modified boomer plates to provide a single pulse, driven by a single source power supply. The fusion of these three transducers delivers a source level high enough to significantly increase sub-bottom penetration without loss of data quality.

Capable of operating at a maximum energy setting of 1,000 Joules per pulse, and firing at three pulses per second, the S-Boom has achieved penetration results of over 200ms through sand and limestone whilst delivering the resolution records expected from boomer systems.