

Two More Boomers for Titan



Titan Surveyâ€™s recent purchase of two further compact CSP-P bang boxes confirms its confidence in the Applied Acoustics systems that enable the company to quickly deploy a survey team to any site in the UK and beyond, in response to its varied work load. The company has been involved in marine surveys both in the UK and worldwide for over 30 years and is increasingly involved in offshore renewable energy schemes, particularly wind farm projects, where an accurate interrogation of the subsea geology is crucial to turbine foundation design as well as route selection for the cabling to shore.

The company has found the Applied Acoustics seismic survey equipment, the CSP energy supply and sound source known as a boomer, particularly useful for this near-shore sub-bottom survey work.

Chief surveyor Matt Ireson said the company is using an Applied Acoustics bang box and boomer catamaran for a number of different applications and a variety of marine environments - from shallow highly turbid estuarine waters to deep clear water with strong currents, or even high sediment mobility areas such as the Bristol Channel. Its size and weight and the ease to switch it by hand between vessels makes it a tool which can cope with rigorous demands. Operating primarily off Titan Survey's small boats, between 9 and 15m, means that they're quick to mobilise and can easily make use of any third party vessels, allowing an efficient service to clients.

Being able to offer this sort of flexibility and efficiency alongside data quality has enabled Titan Survey to offer its services to over 20 offshore wind farm projects, including most recently the huge Dogger Bank project, 60 miles east of Scarborough, UK, where the surveyors made use of a 1,000J seismic power source from Applied Acoustics. If the plans for this wind farm come to fruition some 1,800 off-shore turbines will be installed to supply electricity to seven million homes.

In addition to offshore wind farm site pre- and post-construction surveys, Titan uses its boomer set up to provide sub-surface shallow penetration geology data for many different marine engineering projects such as cable route and cable landfalls, pipeline routes, tidal lagoon reservoir site surveys and preliminary site surveys for tidal stream turbines.

The CSP-P unit from Applied Acoustics is part of a family of sub-bottom profiling systems that range in output from 50 to 12,000 Joules. Similar units to the ones owned by Titan Surveys are in operation across the globe for similar surveys in locations such as off Canada's Atlantic coast, the Baltic and South China Sea.

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