

Power Station Hydrographic, Geophysical and Oceanographic Surveys



Drogue tracking survey

Titan Environmental Surveys offer a highly skilled team of surveyors who are able undertake all hydrographic, geophysical, UXO and metocean surveys required for power station projects.

Titan have collected metocean datasets utilising our fleet of specialist near shore survey vessels and survey equipment to support the installation and monitoring of intakes/outfalls at the majority of nuclear sites around the UK.

Titan's team of surveyors are highly experienced in the coastal sector and will work closely with the engineering teams to ensure their data expectations are met. Our experience will help you from site selection and the marine licence application process, to mooring design, installation and vessel based data collection /processing.



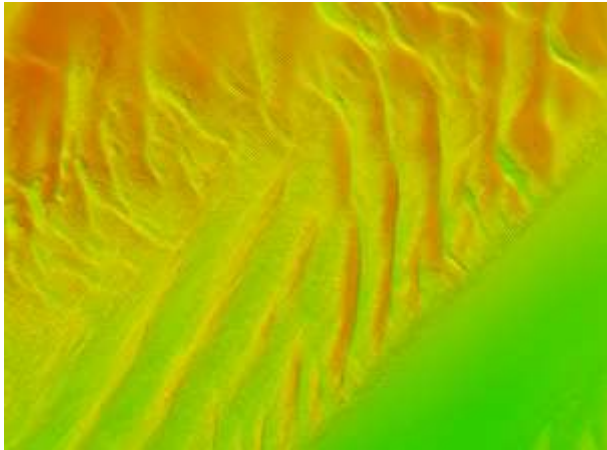
Side Towed Boomer Catamaran

Application of Services

- Hydrographic – Multibeam Surveys
- Geophysical – Sub-bottom geology and sidescan sonar seabed imaging.
- UXO – Towed magnetometer and gradiometer surveys
- Marine Licence applications
- Accurate location specific tidal information for Harmonic analysis
- Site specific calibrated sediment dynamic surveys
- High resolution wave data for pre-construction planning
- Long-term real-time wave data
- Vessel mounted ADCP spatial current studies over large areas
- Dye dispersion & satellite drogue tracking for numerical model verification

Data Processing:

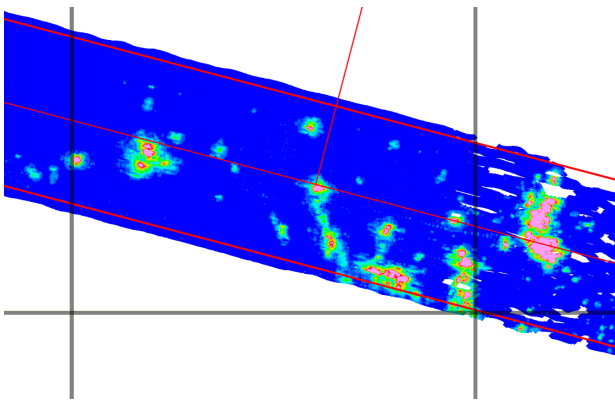
Post processing of all data is undertaken inhouse including of analysis of spatial and temporal data trends with a range of reporting options to meet all budget requirements.



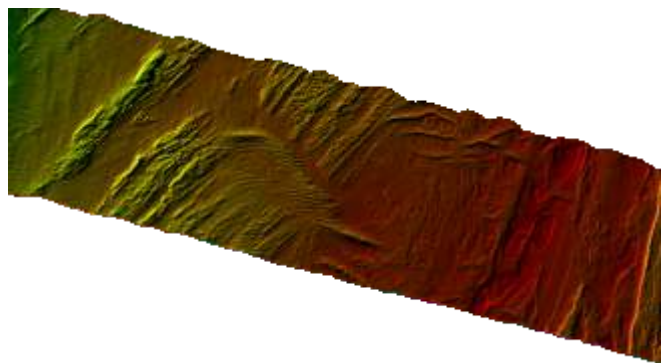
Post processed MBES data produced in Caris

Post Processing Software Includes:

- Caris Hips and Sips
- Gardline GeoFusion geophysical interpretation software
- Oasis Montaj 'UX Detect' software for magnetic anomaly mapping
- Seazone Geotemporal metocean database management and processing software allowing comparison of all recorded parameters for relationship identification including turbidity, waves, currents and tides.
- GIS used for dye dispersion charting



Post processed magnetometer data produced in Oasis Montaj



Post processed MBES data produced in GS4



For more details please contact:
Email: enquiries@titansurveys.com

Orion House, Parc Crescent,
Waterton Industrial Estate, Bridgend
CF31 3BQ.
Tel: +44 (0)1656 673673