

Data Acquisition

TechWorks Marine - European leaders in robust, reliable and secure marine data.

Our highly qualified staff are experts in metocean data acquisition, combining technical expertise and experience in the environment with full knowledge of best practice in the field

Our services are utilised in many sectors including:

- Coastal Engineering
- Ports and Harbours
- Offshore Renewable Energy
- Water and Utilities
- Research and Academia
- Aquaculture

TechWorks Marine offer full metocean services including:

- Real-time integrated marine data buoy networks
- Tidal and wave resource assessment
- Wave measurement surveys for model validation
- Current profile measurement for model validation
- Tidal surveys
- Water quality monitoring
- Real-time dredge monitoring buoy networks.
- Water and sediment sampling and analysis
- Meteorological measurements
- Hydrographic surveys

Our consultancy services include project management, site supervision, risk assessment and independent evaluation in support of field campaigns.



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Futures Energies, Engie, France

TechWorks Marine have been providing tidal resource assessments since 2009. We were awarded a framework agreement by Futures Energies to carry out a survey over an 18 month period in the Raz de Blanchard, France. Eight ADCP (Acoustic Doppler Current Profiler) sensors were deployed over two winter periods on the site. Our in-house serial logger for ADCP sensors helped to extend each deployment, reducing maintenance costs significantly.

GDD Project, Irish Water, Ireland

TechWorks Marine were awarded a contract to provide a network of four real-time marine data buoys to Irish Water for a 24 month measurement campaign. Turbidity, CTD and acoustic data were collected, and dye and drogue surveys and ADCP deployments were carried out. A 12 month wave survey was also carried out at the site. All the equipment used was supplied under a lease agreement to Irish water. We also provided expertise in the preparation of the EIA for the project.

Torr Head, Openhydro, Northern Ireland

TechWorks Marine were awarded a framework agreement by OpenHydro and Bord Gais Energy to carry out a number of ADCP surveys over both winter and summer cycles at Torr head as part of ongoing tidal resource assessment. Equipment was deployed for up to three months in winter conditions. The bespoke methodologies we have developed for resource assessment ensure an excellent rate of data return to our clients.



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