



Pure Marine offers technology, research and project delivery services to the marine energy sector.

We deliver bespoke and innovative solutions for both marine energy site developers and technology developers, providing the business, technology and engineering solutions needed to harness our wave and tidal energy resources

Our clients and partners include international energy companies and leading developers of renewable energy projects.

Our engineering team has over twenty years collective experience in the research, design & development of marine energy technology and the sites for the deployment of demonstration projects and commercial scale arrays.

Pure Marine provide valuable expertise in the following areas:-

Site development:

- Engineering and management services for all aspects of site development for commercial and demonstration projects.
- Site selection for sea trials, prototype testing and performance analysis of marine energy systems – including monitoring, data collection & analysis.

Wave Energy:

- The development of advanced mechanical-hydrodynamic models of wave energy devices for detailed performance analysis and benchmarking of all concepts currently under development.
- Independent analysis of performance and productivity for wave energy devices to identify and quantify major risks in order to assist project developers in their negotiations with technology providers.

Tidal Energy:

- CFD modelling of the wake effects and analysis of array effects for tidal turbines.
- Engineering analysis & design of dynamic marine structures, including the development of mooring solutions for tidal turbine nacelles.

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