

Wave Tank Testing

:: We own and operate one of the most advanced marine renewable test facilities available. Our test tank enables us to simulate a wide range of wave conditions at model scale, including site specific conditions measured via our own [waverider buoy](#) ::

At the heart of the tank a row of eight paddles develop highly repeatable wave patterns under controlled experimental conditions, including regular, irregular and multi-directional waves for operating and survival environments.



Each paddle senses reflections from the beach and radiation from the model and adjusts via a force feed-back mechanism to maintain wave quality. The control system features digital control, continuous monitoring, extensive built-in diagnostics and ocean software that enables the host PC to run multi-spectral and multi-directional seas.

Wavegen's test facility is suited to R&D in areas such as fixed and floating structures for offshore and coastal waters as well as marine renewable energy systems.

To hire the tank contact Wavegen on 01463 238094.