

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 Voith Hydro Wavegen Limited on 01463 238094.

:: [Wave Tank Brochure](#) ::



:: [Wave Tank Details](#) ::