Wave Power Take Off: Have we cracked it?





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The challenge



Survive AND maximize revenue-2-cost Minimize peak load AND maximize average annual load

CorPower Ocean

High Efficiency Wave Power

Detuned in storms – Amplified in normal operation





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Benchmark: A. Babarit, J. Hals, M.J. Muliawan, A. Kurniawan, T. Moan, J. Krokstad: Numerical benchmarking study of a selection of wave energy converters, Renewable Energy 41 (2012) 44-63

The POWER of RESONANCE

CORPOWER



SURVIVABILITY

Naturally transparent to storm waves



EFFICENCY

5x Energy output per ton of device



COMPETITIVE

Low capital & operations cost, high average output

cost, mos output ba



GRID BALANCING

Using the ocean as the most effective solar battery on earth



www.CORPOWEROCEAN.com







GS-Hydro





















Product verification in 5 stages according to IEA-OES / equimar best practice.



Scale 1:30

Scale 1:3

Scale 1:2

Scale 1:2

Stage 2 PTO test rig - grid connected Hardware-In-the-Loop (2014-2016)





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Stage 3 program



- Dry rig test program in Stockholm
 - Verification and debugging of all defined functions.
 - De-risking by full range storm loading on-land



Ocean test program at EMEC, Orkney. Final verification - > Stage 4



Dry testing of complete WEC - Hardware-In-the-Loop









EMEC Scapa flow deployment - Orkney during fall of 2017





Supply chain development





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A sea change





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