



Islands – A natural case for Ocean Energy

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Ocean Energy Europe

125 members – 10 Lead Partners



RÉGION
NORMANDIE

Tidal Stream – First pilot farms producing GWh

Scotland

- MeyGen at Pentland Firth, 6 MW (4 x 1.5 MW), biggest tidal energy farm to date.
- Nova Innovation in Shetlands, 0.5 MW (5 x 0.1MW)

Netherlands

- Tocardo 1.25 MW (Eastern Scheldt dam)



Wave energy – installing and validating prototypes

United Kingdom

- Orkney: Wello, 1 MW
- 2 more machines to come

- Orkney: Laminaria, 200 kW 2018

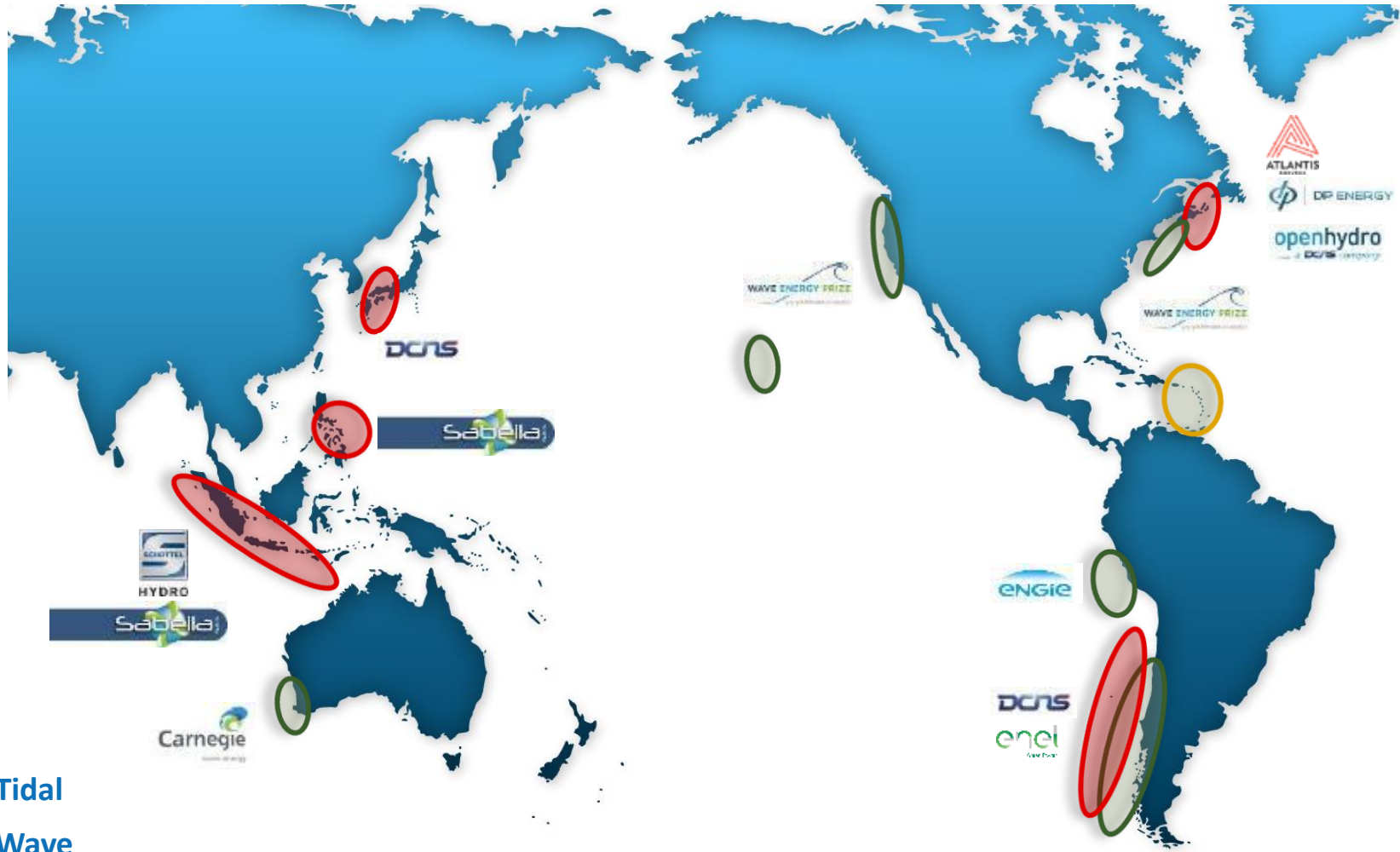


Portugal

- Peniche: AW-Energy, 0.35 MW



Ocean Energy: already tackling island export markets



- Tidal
- Wave
- OTEC

Ocean Energy: a natural solutions for Islands

Requires low/no support because of high electricity prices

Avoids diesel importations costs

Invisible and offshore

Leaving space for hotels and nature

Integrates well with other renewable energies



PLOCAN – A multi-technology platform

Installing devices

Onboard scientific Facility

Fully equipped

Leaving space for hotels and nature

Power plant
13,2 kV - 66kV

Cable 1
13,2 kV / 5MW

Cable 2
13,2 kV / 5MW

Platform

Test site



PLOCAN: a Connected Marine Research Infrastructures





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Thank you!