

Global Marine Renewable Energy Conference

PORTUGAL WAVE ENERGY POLICIES, SUBSIDIES AND INCENTIVES

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Ministry of Economy and Innovation

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R&D POLICIES AND SUPPORT

- Ministry of Science, Technology & Higher Education
R&D contracts (universities & labs)
- Ministry of Economy and Innovation
Demonstration contracts (industry)
- European Commission –RD&D contracts
- Private sector
 - Martifer - Offshore technology (full-size demo 2009)
 - EDP / EFACEC - OWC plants (Pico isle refurbishment, Douro plant)
- Demonstration / pre - commercial foreign technologies
 - Pelamis – 2.25 MW
 - Wave Roller – small units

MARKET DEPLOYMENT POLICIES

- Target: Renewable electricity 45% by 2010 (EC Directive 39%)
- Scenario for energy: waves 50 MW by 2015 (2005)
- Feed-in Tariff & PPA - Decree-Law 225/2007:
 - 260 €/MWh for first 20MW, then decreases
- Pilot Zone for Wave Energy Exploitation - Decree-Law 5/2008
 - 150 km North of Lisbon, best resource (30+ kW/m *pa*)
 - 400 km², 30<h< 80m
 - Prototypes, pre-commercial and commercial
 - Capacity: 250 MW
 - Infrastructures, licensing

PORTUGAL PROJECTS

- R&D

Two offshore systems at early stage (numerical and tank modelling)

- Demonstration

OWC Pico plant – 400 kW – refurbishment

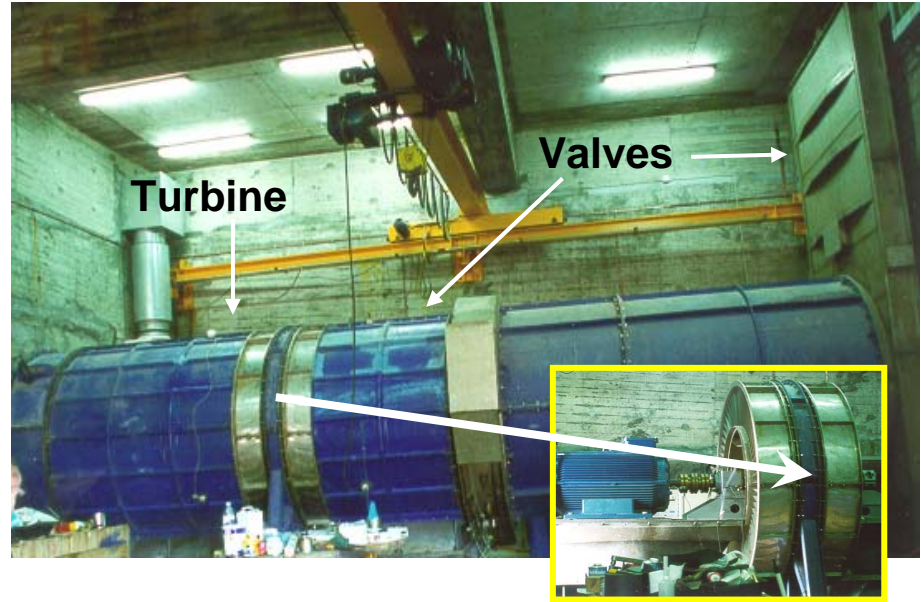
Martifer device \approx 1 MW – construction

Wave Roller – bottom mounted oscillating flat plate (unit test)

- Pre - Commercial

Pelamis wave farm – 2.25 MW – to be deployed (soon!!)

Refurbishment OWC Pico Island Plant presently operational



Demo & Pre-Commercial Foreign Technology



Pelamis units (2x750 kW),
Leixões Harbour, Porto, 2007



Wave Roller Unit, Peniche Harbour, 2007

Thank you

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