



WELCOME

‘SEA opportunities for enterprise’

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Business Plan



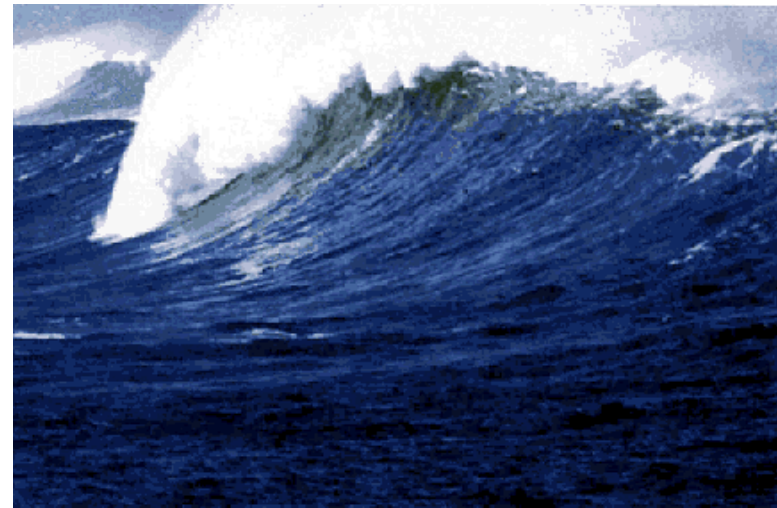
“... PRIMaRE to meet the immediate needs of the emerging marine renewable energy sector in the Peninsula and to address the wider considerations for renewable energy globally.”

“ This will be achieved with pump-priming funds over period of three years from SWRDA.”

“ Funds will be used to secure additional intellectual research capacity and major capital equipment to support ...Wave Hub..”

Ambition

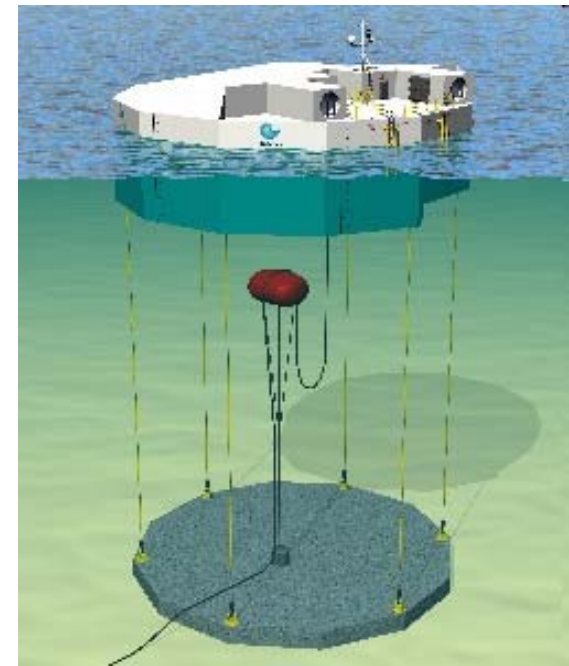
“...South West England... to become a world-leading area. Contributing to the understanding of the construction, deployment, operation, performance and impact of wave energy conversion devices”



Key Factors



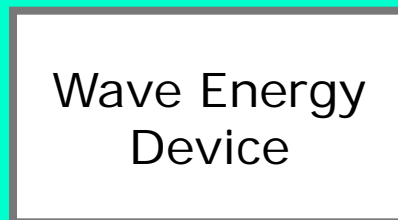
- Appointment of internationally leading researchers
- Creation of unique, world-class research facilities & infrastructure
- Leverage of further research funding using the start-up funds
- Developing links with developers and industry
- Implementing knowledge exchange strategy



PRIMaRE's Research Domain

Environments: Policy – planning, socio-economic, legal, etc
Physical, biological & ecological impacts
Stakeholders - fishermen, shipping, surfers

Inputs: waves, wind,
tidal stream -
energy inputs -
design extremes &
constraints



Output: "rough"
electrical energy –
needs 'conditioning'
for grid connection

Mooring/foundation: coupling
affects response dynamics

Generic tools: - numerical modelling (wave/device interaction)
- electrical simulation modelling
- testing facilities (devices, components, etc.)