



energising
deltas



Investing in your future. Energising deltas is partly financed by the European Regional Development Fund of the European Union.

Strategy for market approach

- Panel discussion with
 - Ivo Pothof, Deltares
- Paris Sansoglou, Secretary General EuDA (European Dredging Association)
 - Lander Victor, DEME



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Energising Deltas A worldwide opportunity

Europe is hotspot for Blue and Tidal Energy,
but

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Vision on concept

- > 100 vulnerable deltas worldwide
- Hard and soft measures
 - Blue Energy
 - Freestream turbines
 - Low head turbines
- Energising deltas





Europe is hotspot, but

- Entering Valley of Death?
- Or can we make Energising Deltas a European success?
 - Central EU turbines
 - German/French power engineering
 - Dutch coastal engineering
 - UK and Southern EU demo sites
- Need: EU wide expansion of Energising Deltas concept



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Views from the European Dredging Association





European Dredging Business Model

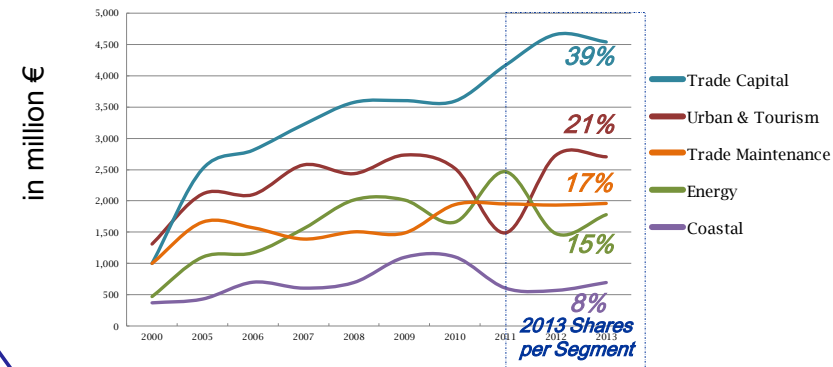
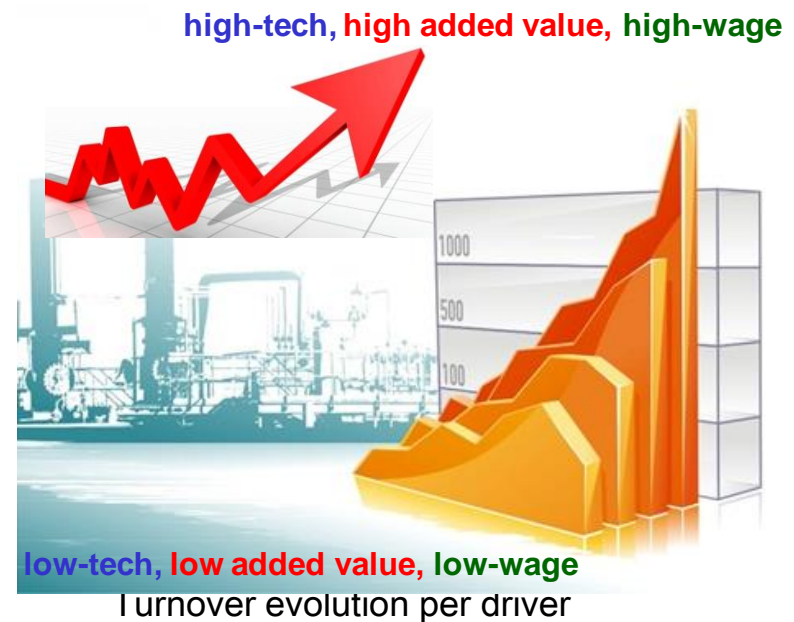
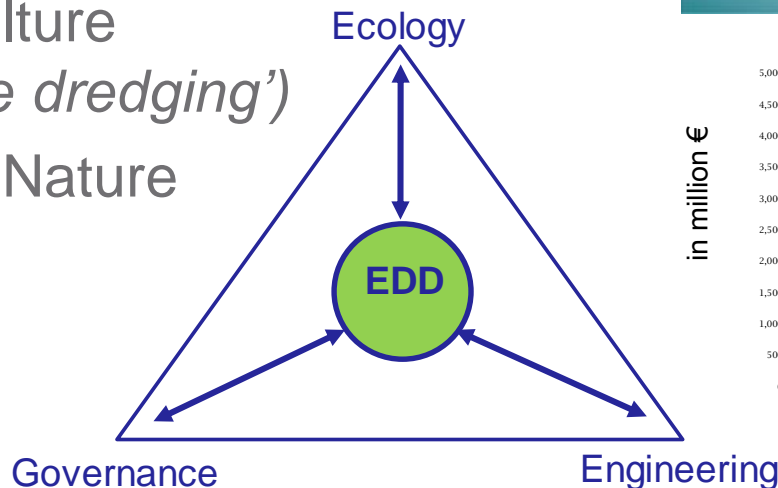
High Added Value and Capital Intensive

Acyclical and Diversified
(*geography & activities*)

Innovative & Job creating

Thanks to

- investing in new knowledge/equipment
- multidisciplinary cooperation
- innovation culture
(*beyond 'pure dredging'*)
- Building with Nature





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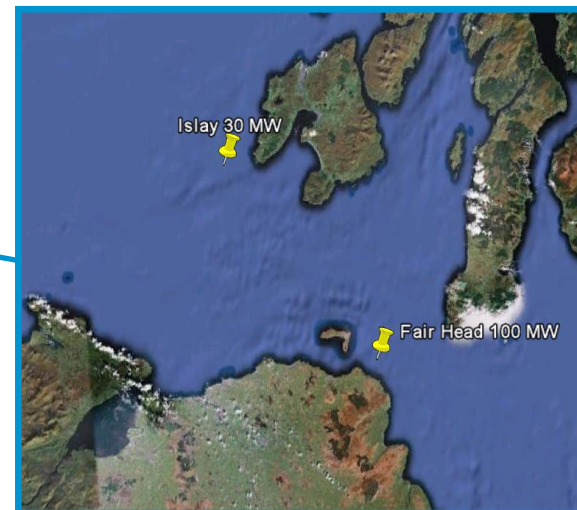
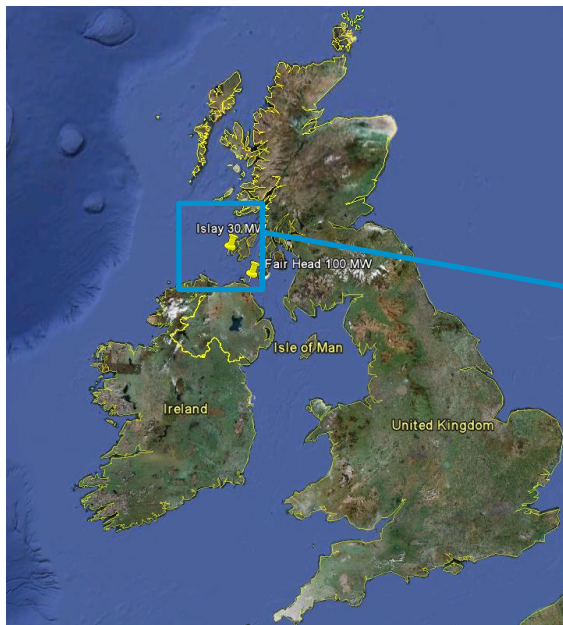
Industry Perspective – DEME Blue Energy

Blue Energy -
status, opportunities and how to be successful



DEME Blue Energy - Activities

- DEME Blue Energy = Member of the DEME Group (DEME = Dredging, Environmental and Marine Engineering)
- Project Developer with focus on the **Blue Energy** Sector – mainly tidal and wave energy projects
- Currently developing two tidal projects together with Irish partner DP Energy  DP ENERGY

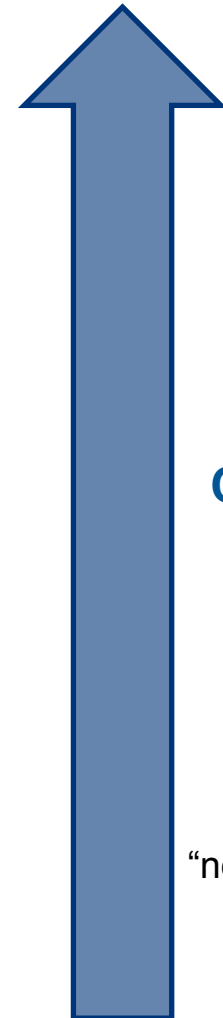
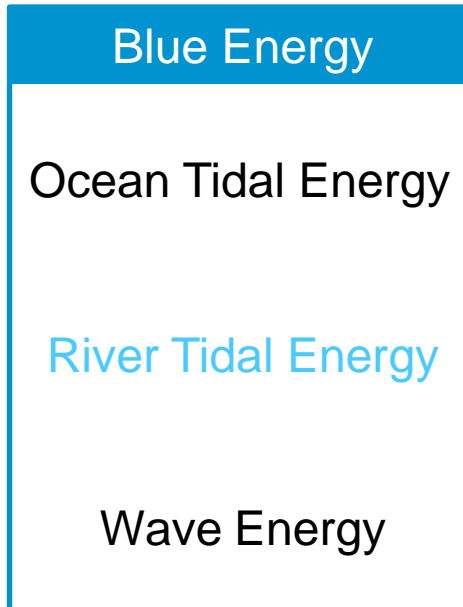




Status & Opportunities



Offshore wind



Commercial maturity

“new technologies”



How to be successful

- Standardization
- Financial support, both CAPEX/OPEX and revenue based (CfD, ROCs, etc.)

European and national support mechanisms in place, however not sufficient + need to be focused

- Strong financial and reliable partners
- Consent, Regulations & Permissions: uniformity and simplicity
- Successful demonstration in benign conditions for less mature technologies