A European Ocean Energy Industry- the €140 Bn Opportunity























Policy and Innovation Group

Services:

- Techno and Socio-Economic Assessment
- → Life Cycle Evaluation
- → Array Optimization Analysis
- → Technology Roadmaps
- → Consultancy

"The group analyses the dynamics of innovation in energy systems, especially the relationships between policy, investment and innovation."

Main partners:

























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The Reports



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The industrial payoff from the EU Offshore Strategy

December 2021







Europe faces a choice

to lead or to follow the emerging ocean energy global market





The SET Plan and its LCOE targets

- The SET Plan Ocean Energy Implementation Plan sets out 2030 LCOE targets of:
 - €100/MWh for tidal stream
 - € 150/MWh for wave





The targets and deployment Models

 Deployment modelling at a global level by the International Energy Agency (IEA) and at a European level by the EC Joint Research Centre (JRC) serve as inputs to the GVA study



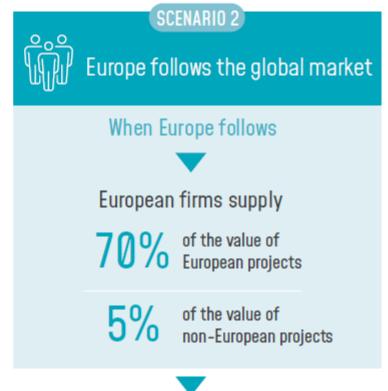






The Scenarios



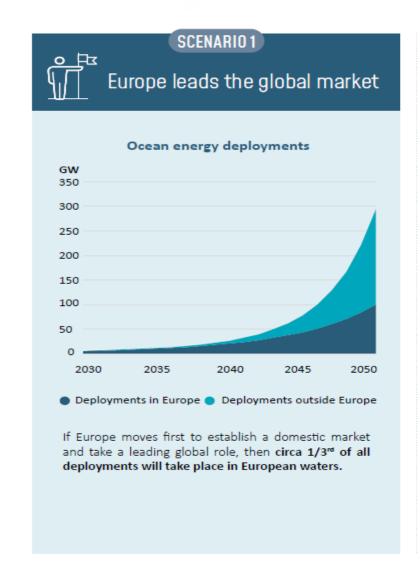


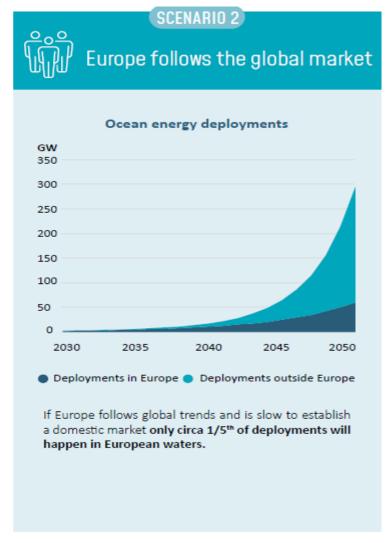
This means that when Europe leads the ocean energy global market, the economic and employment benefits are significantly greater than when Europe follows.



Deployments

- Circa 300 GW globally
- 60 / 100 GW in Europe







The Prize





Europe leads the global market



€140bn in economic activity



គ្នាក់ 1.2M JOBS in Europe by 2050

Europe takes clear steps to leads the global ocean energy market for ocean energy. Europe establishes a domestic market of 100 GW by 2050 - an important share of the 293 GW global market.

A strengthened European supply chain dominates the domestic European market.

This leadership position empowers European industry to export significant equipment and expertise to ocean energy projects across the globe.



Europe follows the global market



€59bn in economic activity



500,000 JOBS in Europe by 2050

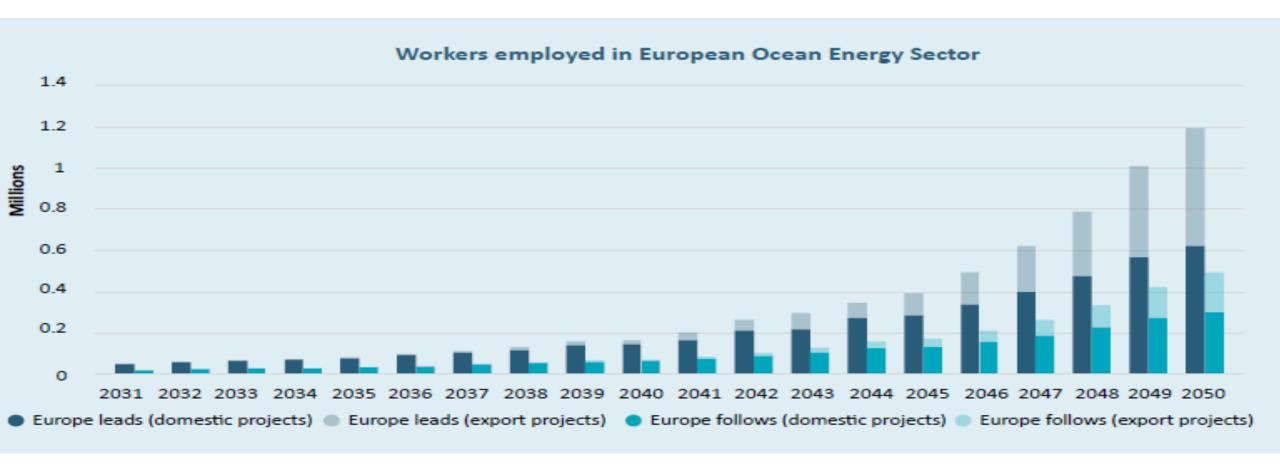
An indecisive approach means that Europe only establishes a 60 GW domestic ocean energy market by 2050 - a much smaller share of the global market.

A weaker European supply chain is more dependent on non-European players - even for projects in Europe.

This lack of leadership means that European developers only have limited ability to export into the global ocean energy market.



The Details





The End



www.etipocean.eu







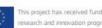




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