



AQUAWIND

Innovative multi-use prototype combining offshore renewable energy and aquaculture in the Atlantic Basin



aquawind.eu



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@AquaWind

Budget: 1 333 147.72 €

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Our PROJECT

The aim of AquaWind is to perform in the Canary Islands a demonstration test of a multi-use integrated solution. This would consist of joining an existing **marine renewable energy production W2Power prototype with an innovative aquaculture solution** including a tailor-made design fish cage with novel net materials, a high level of digitalization and species diversification.



Why AQUAWIND ?

This project performs, **for the first-time, MU test trials joining marine energy production with live fish aquaculture** in the Atlantic region, thus contributing to the sustainable expansion of the blue economy in the Atlantic Basin.

There is a general need to support the expansion of the **blue economy, making sea activities sustainable**, responding to climate change and preserving biodiversity. This is even more true for outermost regions such as the Canary Islands, which depend heavily on the Blue Economy.



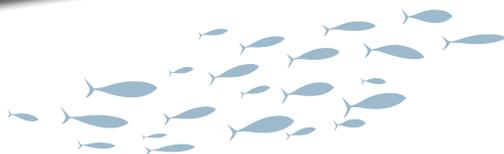
In this regard, AquaWind will achieve a practical demonstration of MU integrated solutions to **offshore renewable energy and aquaculture developments** ensuring social acceptance, optimal resource use and the lowest environmental impact possible.



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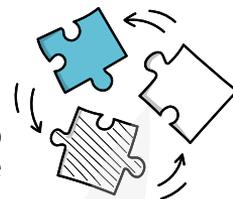


Our OBJECTIVES

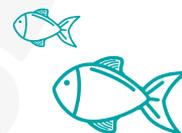


AquaWind fully responds to the general objectives of the European Union:

- 🐟 Contributing to the Atlantic Maritime Strategy priority to develop marine renewable energy and more in general the sustainable expansion of the Blue Economy in the Atlantic Basin.
- 🐟 Supporting the development of MU between marine renewable energies and aquaculture specifically encouraged by the European Commission in its guidelines for a more sustainable and competitive EU aquaculture for the period 2021 to 2030.



Expected OUTCOMES



- 1** To provide a route map for regulatory and legal issues for real implementation of MU projects.
- 2** To provide a business model case and exploitation plan to evaluate the cost reduction of commissioning, maintenance and operation of the combined activity.
- 3** To ensure the uptake, sustainability, and continuation of the AquaWind pilot and to demonstrate the neutral or positive environmental and social impacts for the multi-use offshore renewable energy solution.
- 4** Finally, to demonstrate at pilot scale the feasibility of the multi-use of an offshore renewable energy prototype for a more sustainable aquaculture production and a better use of marine space.



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Our PARTNERS



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