



Waterborne Transport

 **SEAWING4BLUE**



HORIZON EUROPE

SEAWING4BLUE

The automated wing to power ships, providing 20% of fuel savings and emissions reduction transition

Area of Intervention:

Vincent BERNATETS & Stephanie LESAGE

CEO

General Counsel and Corporate Secretary

AIRSEAS

European Climate,
Infrastructure and
Environment
Executive Agency

The Challenge

- There is a major challenge today : decarbonising the shipping sector:



13%

Of European Union's greenhouse gas emissions.

3%

The part of shipping in the World's global emissions.



-40%

The reduction of carbon emissions aimed by the International Maritime Organization in 2030.



The SEAWING4BLUE Project

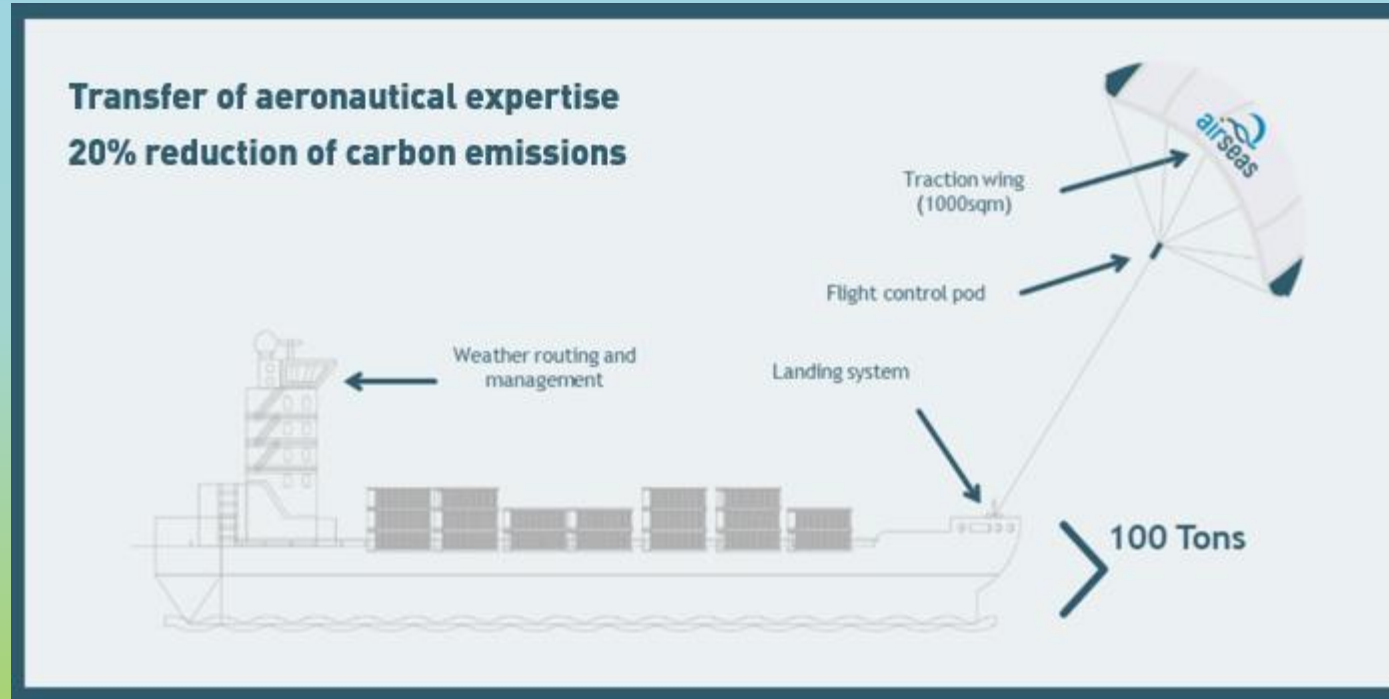
AIRSEAS : French company, founded in 2016

The SEAWING4BLUE project aims at developing Seawing, an automated kite system, saving an average 20% of fuel and associated emissions.

- Budget €3,571,360.40 with EU support of €2,499,952.28€
- 24 months, from September 2021, until August 2023.



SEAWING4BLUE: the technology



- **1000m²** of wing surface
- **Automated**
- **EcoRouting** software

- **Powerful**
- **Simple**
- **Smart**

Achievements

- We are now **90 employees** : dedicated to develop Seawing, its commercialisation and its scaling up.
- **1st installation** on a Louis-Dreyfus Armateurs ship chartered by Airbus in December 2021
- Full scale **trials campaign** since January 2022
- **2nd installation** on a « K » Line ship due in December 2022 in Japan



Our Ambitions

- Airseas aims at equipping 1500 ships by 2030 with Seawing
- Fundraising ongoing to finance the scaling up of Seawing, and the opening of a factory to manufacture the kite wings in series
- Wind propulsion is yet to be installed as a “Must Have” technology to start reducing right now the emissions for the future zero carbon ship





Co-funded by
the European Union

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 **airseas** SEAWING4BLUE



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Q&A ?

Speaker will be available on the stand for the remainder of the day.

Contacts:

- <https://www.airseas.com/seawing4blue>
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- Horizon Europe Horizon Europe | European Commission (europea.eu)
- Waterborne TP: [Welcome to Waterborne - Setting the agenda for Maritime Research in Europe - waterborne.eu](#)

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