



PRESS RELEASE

AYRO announces the supply of two Oceanwings® 32 for a fuel-free 90 feet electric superyacht designed by ALVA Yachts.

Paris, April 17th, 2023 - 11:00 am CET

AYRO, the French industrial company specialized in the design and delivery of a wind propulsion system for maritime transport and yachts, will provide ALVA Yachts company with a pair of 32 square meters Oceanwings® wingsail for a 90 feet electric superyacht.

German electric solar catamaran builder ALVA Yachts is building a 90 feet catamaran – the Ocean Eco 90 H2 – that will burn no fuel. The vessel is propelled by electric motors and wingsails, with electricity supplied through a system using solar panels, hydrogen fuel cells and battery storage. The boat is scheduled to be on the water in late 2024.



The Oceanwings® system of AYRO has been refined through data collected from use on Energy Observer, which has sailed more than 50,000 nm with zero emission. The operating principles of the Oceanwings® are comparable to an aircraft wing turned upright that provides horizontal 'lift' (instead of vertical) to propel a boat. They are automated, with sophisticated software that monitors and analyzes wind and water conditions, and adjusts the angle of attack of the wingsail for optimum efficiency.

This is a great opportunity for AYRO to work on the integration of its Oceanwings® system on a new platform, in the frame of a challenging energetic mix.

The owner of the yacht said: *"I am thrilled and proud to have been able to gather reference companies such as ALVA Yachts, AYRO, EODev and SEKO MARINE around this ambitious project which aims at demonstrating that leisure craft is now possible while being 100% clean and respectful of the environment, while reconciling the requirements of performance and comfort of life on board that meet the highest quality standards of the sector. It was fundamental for me that this yacht project be fuel-free."*



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Marc Van Peteghem, co-founder and President of AYRO, said: *"We are delighted to be involved in this new breakthrough project of zero-emission yachts combining our Oceanwings® technology with solar panels and hydrogen fuel cells. This confirms the evolution of the yachting sector towards a more environmental-friendly approach and AYRO is very happy to contribute to this journey by providing a decarbonized and fully automated wind propulsion system."*

Holger Henn, CEO of ALVA Yachts, said: *"We are very happy to have found such a confident and innovative client that pushes us to explore new technologies. What is special about this project is certainly the leap that we are making in technology. A superyacht that can operate without fossil fuel is something we could only dream of. But with the help of strong partners and a lot of effort from the ALVA team, we want to show what is possible in boat building today."*

About AYRO

AYRO is a French company that designs, manufactures and sells the Oceanwings®, to be installed on cargo vessels and yachts, contributing to the reduction of CO₂ emissions by reducing fossil energy consumption.

For more information, please visit our website: <https://ayro.fr/>

Corporate Communications: communication@ayro.fr

About ALVA YACHTS

ALVA Yachts is an electric luxury yacht brand harnessing uncompromised design and cutting-edge technology. Our mission is to bring yachting into a new era with a product offering of progressive, electrified solar catamarans and sailing yachts that are designed and engineered without compromise. Combining self-sufficient sailing and comprehensive customer experience, ALVA Yachts offers the best boats for forward-thinking explorers of the oceans.

For more information, please visit our website: <https://www.alva-yachts.com/>

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About EODev

EODev is a young innovative French company founded in 2019 which aim to accelerate the energy transition with sustainable, reliable and accessible industrial solutions using hydrogen.

In particular, EODev is one of the leaders in the design and industrialization of zero-emission electricity production systems. Its product range is made of the GEH2® electro-hydrogen power generators for stationary and mobile applications, as well as the REXH2® power generator for onboard marine applications.

For more information, please visit our website: <https://www.eo-dev.com/fr/>

Communication: <https://www.eo-dev.com/fr/contact>