

# Orcelle Wind – a bold step towards our zero emission vision

For shipping, the transition to becoming a zero-emission industry is a challenge that requires innovation, courage and collaboration, as there are several ways of moving towards this goal.

At Wallenius Wilhelmsen, sustainability is a fundamental drive for our development and growth and underpins our belief that the environment and business must go hand-in-hand.

The Orcelle Wind project is a manifestation of our purpose: Sustainable logistics for a world in motion – and is an important step in our journey toward zero emissions.



## The project phases

Together with Wallenius Marine, a marine consultancy company, Wallenius Wilhelmsen is embarking on a project to evaluate the technical, operational, and financial viability of what can be the world's first wind-powered Pure Car and Truck Carrier (PCTC) for deep-sea shipping. The Orcelle Wind concept vessel will also need to prove its commercial viability. Success here will be heavily dependent on partnerships with customers and whether there is a commitment in the market to adopting radical and innovative measures to drastically reduce the environmental footprint of outbound supply chains.

In the first project phase, we will add our extensive knowledge from the RoRo business, contributing to the design and planning of different ship features, such as the cargo storage areas, type of engine, and not at least where will Wallenius Wilhelmsen operate those vessels.

Substantive prototype testing will be conducted with test rigs installed on vessels to ensure rigorous assessment of project viability.

With a concept that Wallenius Wilhelmsen deems viable for commercial operation, the target is to have a design ready for contracting with a shipyard by mid-2022 for possible delivery in 2025.

## Orcelle Wind facts

- Emission reductions of up to 90% relative to today's best vessels
- Anticipated speed of 10-12 kts under wind propulsion, which can be increased with supplementary engine power
- A cargo-carrying capacity of up to 7000 cars, rolling equipment, and breakbulk
- Vessel length of around 200m and a beam-width of approximately 40m
- The air drafts are expected to be above 100m with the wing sails fully raised, but with the capability to reduce to 50m or less with the wing sails retracted
- 150-200t ramp strength and 5m main deck height – making it suitable for cars, rolling equipment and breakbulk.

### Find out more on our website:

Wind is back  
– Introducing Orcelle Wind



Sustainability  
– A sustainable approach to business



#### About Wallenius Wilhelmsen

The Wallenius Wilhelmsen group (OEX: WAWI) is a market leader in RoRo shipping and vehicle logistics, managing the distribution of cars, trucks, rolling equipment and breakbulk to customers all over the world. The company operates around

120 vessels servicing 15 trade routes to six continents, a global inland distribution network, 120 processing centres, and 11 marine terminals. Read more at [www.walleniuswilhelmsen.com](http://www.walleniuswilhelmsen.com)