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This is the new wind-power design by UK company Windship Technology. Photo: Windship Technology

Windship and DNV unveil 'first true zero-emissions' design

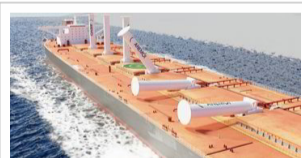
UK company claims new wind-powered system is the "Tesla of the seas".

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By [Gary Dixon](#) [✉](#) [🔔](#)

Windship Technology has revealed what it claims is the world's first truly zero-emissions ship system.

The UK company has brought Norwegian classification society DNV on board to help develop a wind-powered design it refers to as the "Tesla of the seas".



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Technical director Simon Rogers and his team has tested the blueprint at the Wolfson Unit maritime consultancy's tank in Southampton.

The triple-wing system powers a diesel-electric drive that eliminates CO₂, Nox, Sox and particulate matter, Windship said.

Solar power and carbon capture

It also incorporates solar power, carbon capture, an optimised hull shape and specialised weather routing software.

"The eye-catching triple-wing rigs produce a driving force several multiples greater than single-masted solutions of the same height currently being promoted in the industry," Windship claimed.

The 48-metre sail rig is stowable on the decks of tankers and bulkers, the company added.

Windship has also announced a "significant investment" from DNV, which will be conducting a verification to fully assess the design.

Per Marius Berrefjord, senior vice president at DNV, called the Windship team "experienced professionals".

He said the project aims to help bring the entire shipping industry to "true zero" in terms of emissions.

Diving deeper

"Windship is supplying information in a fully transparent manner, and DNV will ensure a thorough verification process. We are looking forward to dive deeper into the very interesting technology presented by Windship," the DNV executive added.

Windship is now looking to seal commercial partnerships with major shipowners, operators and investors, the UK company said.

The Windship board includes former Concordia Maritime chief executive Lars Carlsson.

The ex-tanker executive said: "The industry cannot sit back any longer. The clock is ticking and regulation will force a new approach for an industry that is traditionally hesitant to change."

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He added shipping is not fit for purpose for the future.

Vocal wind champion

Carlsson has been advocating wind power for a number of years.

He said in 2019 that owners should be using all known fuel-saving methods, including wind propulsion, lower speeds, design and operational optimisation and biofuels derived from waste.

And he called for new vessels to be built with anti-corrosion coated steel to give them a longer trading life of 50 years, a global fossil-fuel tax to encourage sustainable investment and the creation of a carbon exchange trading market. ([Copyright](#)).

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