

eConowind BV finished its land-testing in their development of an innovative foldable and autonomous eConowind-unit for wind-assisted ship propulsion with outstanding results.



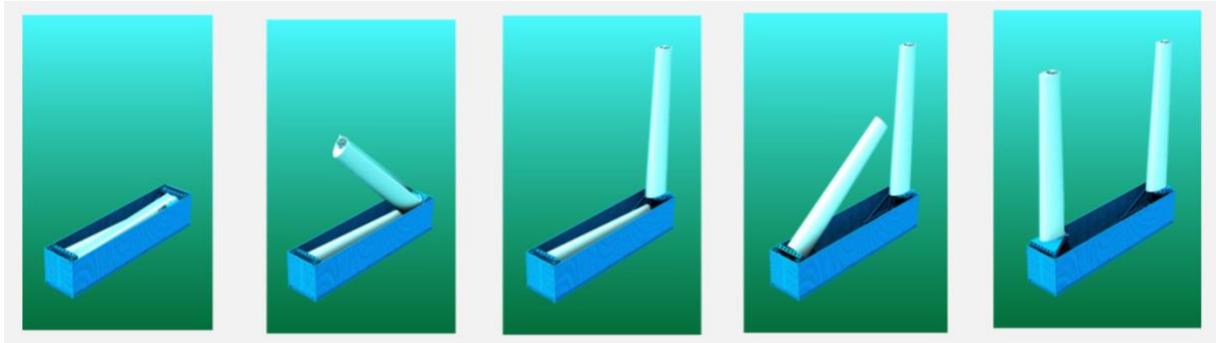
*The first eConowind unit tested on land.*

The 19<sup>th</sup> of November started the 'maiden voyage' of the full-size eConowind-unit which will be tested in the working environment it was designed for, in the North Sea and the Baltic on board of *MV Lady Christina* of WijnneBarends, Delfzijl. This 5500 DWT High Cubic vessel was designed by Conoship International, initiator of the eConowind-unit.



*One eConowind unit mounted on the hatchcovers in testphase.*

The unit is integrated into a 40 ft container that is mounted on the hatchcovers of the vessel. From the container two folding 'VentiFoil' will be deployed: ridged 'aspirated wing-profiles' acting as sails:



*Autonomous unfolding VentiFoil automatically set in the most optimal position*

After testing the thrust generated by the eConowind Unit during its first voyages, 'sailing' with the unit will be automated. With a push of a button the eConowind Unit deploys (and closes) fully autonomous the two VentiFoil which automatically adjust to the direction of the wind for maximum thrust generation.

Due to the generated thrust by the eConowind Unit, the thrust of the propeller can be reduced to maintain the same speed. Thrust reduction leads to less fuel consumption and less emissions of the main engine what brings us closer to IMO's goals on reduction of carbon emissions.



*For equivalent thrust force of two eConowind-units, a sail area of abt. 165 m<sup>2</sup> should be applied*

### **Conoship International**

The eConowind-unit is perfect for retrofitting on existing vessels: easy to (dis)mount and easy to adjust with 2, 4 or 6 units depending on vessel size and loading conditions. Conoship International takes Wind Assisted Ship Propulsion to the next level by integrating the VentiFoil in a general cargo vessel:



*Conoship International 3300tdw general cargo vessel with integrated VentiFoil*

eConowind expects to start commercial production and delivery of eConowind-units in Q2 2019 and will play a significant role in reducing the CO<sub>2</sub> output in shipping.

Website: [www.eConowind.nl](http://www.eConowind.nl).



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