

■ ■ sail



# The Ecoliner

## A new horizon for sustainable brands

We are offering the missing link in sustainable sea transport.  
A clean, efficient and competitive way to ship cargo  
across the oceans with minimal impact on the environment.



Source: Dykstra Naval Architects



## Sea cargo

**Eighty per cent of all cargo is transported by sea. And this market is still growing. Sea transport is a reliable way to transport large amounts of products or bulk over great distances.**

At this moment sea transport is trying to find a balance between profitability and impact on the environment. Much effort is already being put into designing cleaner ships and reducing emissions of nitrogen oxides (NO<sub>x</sub>), sulphur oxides (SO<sub>x</sub>) and carbon dioxide (CO<sub>2</sub>). Fuel-efficient engines are being built to reduce the need for fossil fuels. Even techniques like motion sensors and solar cells are making their way onto the market to reduce the environmental impact of sea shipping.

## Sustainable demands in the market

Despite these positive changes, sea transport still needs large amounts of fossil fuels with pollution of air and ocean as a result. The carbon footprint created by sea transport is twice that of all cars worldwide. We see that environmental regulations for commercial shipping are becoming stricter. And that customers are increasingly holding cargo owners responsible for the impact on the environment and their score on the so-called 'Clean Shipping Index'. Shipping is an element in the total supply chain of cargo owners where great improvements can still be achieved.

## Ecoliner

Our goal is to provide the missing link in sustainable sea transport. A trustworthy, fast and elegant way to ship large amounts across the seas and oceans. A concept that really changes the impact sea transport has on the environment. A cargo vessel with great capacity. You think that is impossible? Please let us introduce you to the Ecoliner.

We have put all our ambition into bringing a multi-purpose, hybrid cargo vessel, able to sail a transatlantic route to the market. Together with several partners sharing our belief in a clean future, we have developed concepts of wind-assisted shipping. This design has been named the Ecoliner. The missing link in sustainable sea transport.



# The ship

The Ecoliner combines the strength of nature with elegance and high tech. Propelled by the Atlantic trade winds, its voyages connect North and South America with the West coast of Africa and Europe.

It saves up to 40% in fuel costs and is faster than conventional ships. The Ecoliner has the capacity to transport no less than 8210 tons of deadweight. A comparable conventional ship uses around 10 tons of fuel a day. It produces around 7.2 million kilograms of CO2 each year. The equivalent of 2400 cars. The Ecoliner is a big and charming step forward!



Source: Dykstra Naval Architects

**TECHNICAL SPECS** Overall Length: 138 m. | Width: 18,2 m. | Depth: 6,5 m. | Loading Capacity: 8210 tons, 459.100 cft / 13,000 m<sup>3</sup> or 476 TEU | Sails: 4000 m<sup>2</sup> | Engine: 3000Kw diesel-electro motor | Design speed: 12 Knots

## Exposure for sustainable brands

Consumers have increasing demands on sustainability of companies and their products. Transport is an important part of a company's process. Using the Ecoliner is an appealing way to improve the sustainability of your supply chain, which also offers an enormous opportunity for promotional exposure. Especially with the first vessel. Imagine your company's brand printed on the vessel's sails the moment it starts its very first journey. A great and visible way to improve the sustainability of your supply chain and to show that your company is taking responsibility for the environment. A fantastic way to further meet your consumers demands on sustainability.

## Connect with innovation and sustainability

The Ecoliner promises to be a valuable asset for cargo owners, ship owners and retailers. It connects companies and products with innovation and sustainability. The Ecoliner combines high, competitive speeds with low energy costs and helps companies to realize their ambitions in CO2 optimised transport, reduction of SOx and NOx and sustainable production in their value chain. Initial building costs will be compensated by fuel reduction over time.



# Fair Transport and SAIL

The Ecoliner was initiated by Fairtransport BV, Dykstra Naval Architects and developed further by the Trans-European partnership SAIL. The EU NSR Interreg SAIL project has 18 maritime partners from seven countries (Germany, Netherlands, Belgium, Sweden, Denmark, United Kingdom and France) contributing to the development of the Ecoliner concept. Fair Transport, Harlingen Municipality, the province of Friesland, The Noordzee Foundation, Dykstra Naval Architects and NHL University of Applied Sciences are currently working together in the development of the Ecoliner.



## Become a partner and step aboard of sustainable shipping

We are ready to build the ship and need investors, potential clients and supporters to let the Ecoliner come to life. Our team is full of ambition and well equipped with knowledge. Now we need pioneers who believe in the strength of wind-assisted shipping and are willing to become our partner and turn the Ecoliner into a reality!

Let's set sail for a sustainable future together!

## Contact us for more information at:

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