

Future Proof Shipping



Fossil fuel free shipping by 2040.

We aim to contribute to a future proof shipping world by validating pioneering renewable energy technologies that have the potential to make the industry fossil-fuel and emissions free.

By enabling selected shipping companies to gain a relatively low-risk first mover advantage via the implementation of these sustainable technologies, followed by a wider dissemination that will spur systemic change, resulting in large-scale positive economic, ecological and societal impact.

Despite the fact that shipping is the most energy-efficient means of transportation, its environmental footprint is massive. If the maritime industry were a country, it would be among the top 6 producers of GHGs globally – it emits 1 billion tonnes of CO₂ annually. Seventeen of the largest ships in the world produce as much sulphur emissions as all of the world's cars combined.

The shipping industry has immense potential for reducing its ecological footprint, but is limited by several macroeconomic factors that affect the maritime industry, and the world at large.

Technology to build zero-emissions ships exists today. However, due to high capital and operational costs, safety concerns, and a lack of resources to validate concepts in market conditions, existing players find it difficult to adopt new innovations in this fiercely competitive industry.

In partnership with governments, universities, entrepreneurs, informal and institutional investors, and key players in the shipping industry, FPS aims to accelerate the adoption of clean hydrogen-based innovations for the maritime industry. FPS will initiate sustainable systemic change via the development of novel financial and operational models that make these technologies commercially viable, scalable and financially attractive to the industry.

From movement to shipping enterprise:

- FPS will partner with developers of pioneering hydrogen-based technologies.
- FPS will own and operate vessels to test and improve these technologies in market conditions.
- Continuous monitoring and data collection will lead to proof of concept of a number of winning technologies.

- We aim to partner with leading global consumer brands to test zero-emissions shipping of their products.
- Alongside its core activities, FPS will work to build awareness on a large-scale, and garner support on an international level for sustainable technologies for a fossil-fuel and emissions free shipping world.

Where we are now

- Setting up partnerships with industry frontrunners, leading research faculties, knowledge institutions and entrepreneurs
- Defining our first pilot

Next steps

- Developing the concept for our first pilot
- Creating a roadmap for scaling zero emissions technology across the sector

Join us in our endeavour

We are looking to partner with industry experts, visionary organisations, knowledge centres, technology innovators, and all who share a similar vision. We would love to hear from you!

About us

Future Proof Shipping is a project initiated by Huib van de Grijspaarde in collaboration with Enviu.

Huib, an entrepreneur and impact investor with a shipping heritage is at the helm of two social enterprises in Africa. He believes in applying business principles to solve larger societal issues. Huib is passionate about innovating to usher in a more competitive and sustainable world.

Enviu is an issue-driven organisation that creates market solutions for large scale social and ecological problems, and builds multinational social enterprises as drivers for system change.

Our path

Hydrogen is the path to a fossil-fuel free shipping industry.

We believe that hydrogen will play a vital role in enabling the use of renewable energy sources to their full potential, and in ushering in a truly zero emissions world. Future Proof Shipping (FPS) is a movement that will validate, and scale hydrogen-based clean energy technologies that will provide a competitive advantage in shipping, and result in a fossil fuel and emissions free maritime industry.

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