



HYDROGÉNIER BRETAGNE – LH2 SUPPLY VESSEL

Envisioning the distribution of green hydrogen in Brittany using a dedicated liquid hydrogen carrier.

Background

With the anticipated increase in green hydrogen production and the growing demand for clean energy, the Hydrogénier Bretagne project aims to develop a hydrogen carrier vessel to transport liquid hydrogen efficiently and safely between production and consumption sites.

A technical and economic analysis will assess the feasibility and potential benefits of the project.

Collaboration with local stakeholders will ensure the successful integration of the vessel into the regional green hydrogen ecosystem.

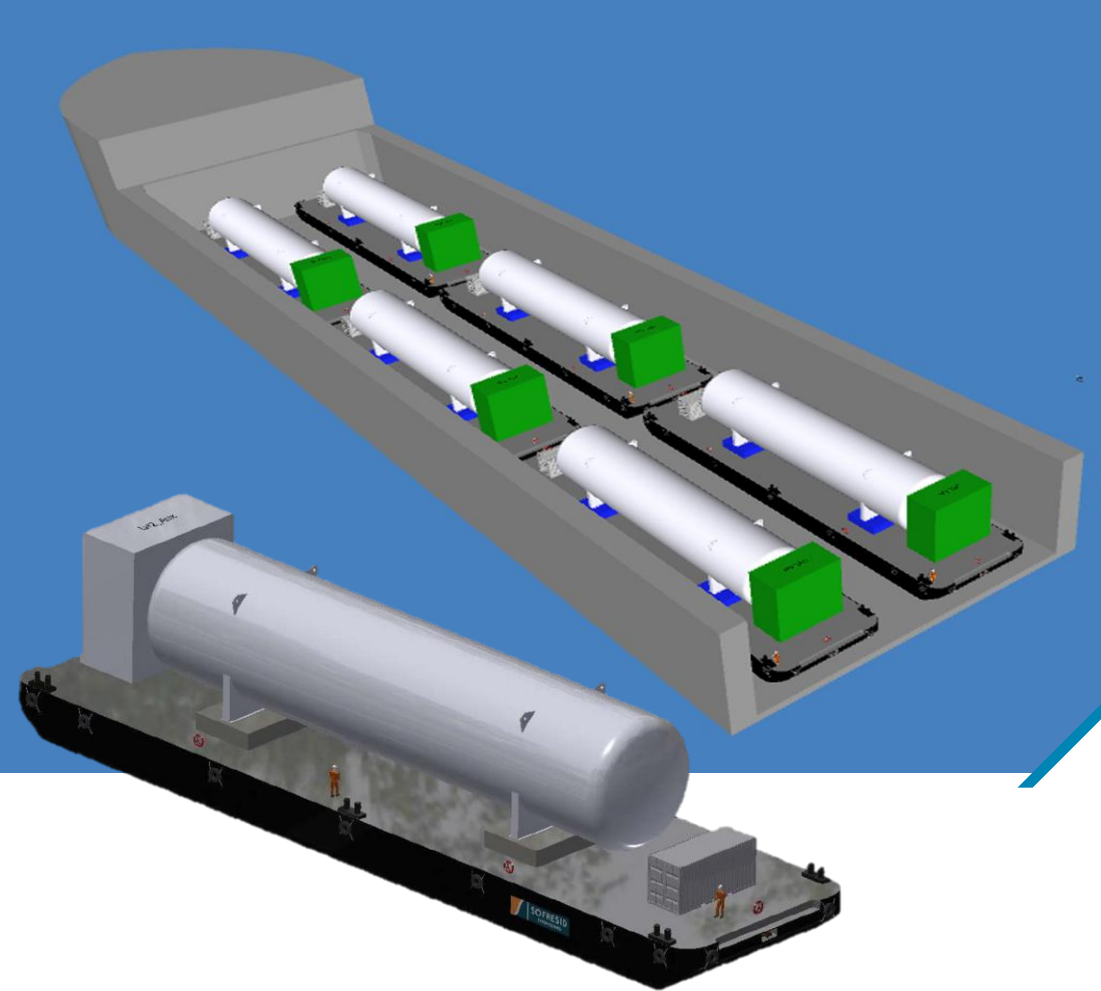
The project aligns with the 2030 roadmap, targeting a production capacity of **4,000 tonnes of green hydrogen** and managing distribution **across four ports** to meet a daily consumption rate of **6.2 tonnes**.

Tasks

- Preliminary design (APS) of infrastructure and marine components (Container/Barge/LH2 Vessel).
- Comparisons and critical analysis of the selected technical solutions.
- Technical and economic analysis of LH2 transport (CAPEX/OPEX).

Our strengths on this project

Expertise in the production and distribution of green hydrogen.
Experience in maritime transport and infrastructure development.
Strong analytical skills for technical and economic assessments.
A collaborative approach with local stakeholders.
Commitment to promoting sustainable energy solutions.



Market
Energy
Hydrogen

Role
Engineering

Cycle
Conceptual study

Year
2023–2024

Location
Brittany, France

