



Energy
that respects
our future

Develop and structure
the low-carbon
hydrogen industry
in New Aquitaine



Co-financed by the Connecting Europe
Facility of the European Union

The H2BORDEAUX project is fully in line with the hydrogen strategy of the recovery plan presented by the French Government on September 8, 2020, which aims to decarbonize industry and mobility. Beyond the Nouvelle-Aquitaine region it will contribute to the creation of a hydrogen industry in France and in Europe. The consortium composed of Bordeaux Port, Hensoldt Nexeya France and Storengy, is fully involved in the implementation of this project.

The main objective of H2BORDEAUX is to deploy hydrogen as an alternative energy for mobility. To do this, the partners have worked to put forward the potential consumers of hydrogen in the Port of Bordeaux area: river or land mobility as well as certain stationary applications (shore power, peak shaving...) which would use hydrogen as an alternative energy.

The actors of the project aim at the development of a hydrogen ecosystem in the heart of the Nouvelle-Aquitaine region, with the Port of Bordeaux as a privileged hosting platform. This approach to support the hydrogen industry, for the future decarbonization of port environments and their reindustrialization, will be a basis for the replication of similar projects in other European port areas.



Bordeaux Port, in partnership with Hensoldt Nexeya France and Storengy, is preparing the maturation of this new carbon-neutral industrial approach, for the benefit of the region.





HYDROGEN STATIONS

In order to significantly improve air quality, the H2BORDEAUX project is studying the potential of installing hydrogen stations on different quays but also on the road users' axes (buses and trucks).

These stations will allow the emergence of an ecosystem that links mobility, river port uses and the development of a rethought energy mix, in phase with the evolutions of society.

These stations will supply boats, hydrogen buffer stores for the creation of an energy barge or even transport vehicles.

Hydrogen propulsion is also one of the promising solutions for decarbonizing river transport. Its adoption requires a specific infrastructure that is being studied within the framework of the H2BORDEAUX project, in order to get closer to the end users.

The proximity with other industries makes river transport particularly adapted to hydrogen in Gironde.



STORAGE AND TRANSPORTATION OF HYDROGEN

Transporting hydrogen from the producer to consumers in a safe, optimized, standardized and regulated way is one of the technological challenges of H2BORDEAUX. To meet this challenge, Hensoldt Nexeya France is studying the creation of a 20 feet container, maritized, certified and compatible with multimodal transport.



www.H2Bordeaux.eu



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