



Lhyfe continues to deploy its green and renewable hydrogen: its second production site will be in Brittany

Lhyfe Bretagne is part of the VHyGO or Great West Hydrogen Valley initiative which aims to build the first supraregional infrastructure for the production and distribution of green hydrogen in the west of France, to decarbonise industry and transport.

Nantes (France), 16 February 2023 - 7:30 a.m. CET - [Lhyfe](#) (EURONEXT: LHYFE), one of the world's pioneers in the production of green and renewable hydrogen that can decarbonise industry and mobility, has obtained the construction permit for its second green and renewable hydrogen production site in the Morbihan region of Brittany, France, and is about to begin preparatory construction work. *Lhyfe Bretagne*, which should be operational by the second half of 2023, will mainly supply hydrogen for transport in the region and the industrial processes of regional companies. Lorient Agglomération has already defined its green hydrogen needs and will be the first area in Brittany to benefit from the hydrogen produced at the Lhyfe site. *Lhyfe Bretagne* is part of the VHyGO project, supported by ADEME.

Lhyfe begins large-scale deployment

Lhyfe is taking a new step forward with the announcement of the construction of its second green and renewable hydrogen production plant, in Brittany.

This announcement marks the beginning of a long series of deployments for Lhyfe, which aims to have over 3 GW of installed capacity by 2030.

Green and renewable hydrogen produced from local resources, available in the second half of 2023 in Brittany

In Buléon, in the Morbihan region, Lhyfe will produce green and renewable – or in other words totally carbon-free – hydrogen for local uses, by electrolysis of water using resources and energy sourced nearby.

To launch this project, Lhyfe has identified a plot of land of approximately 6,800 m² adjacent to a wind farm.

Now that the building permit has been obtained, civil engineering work can begin at the end of February, with commissioning scheduled for the second half of 2023.

***Lhyfe Bretagne* will have the capacity to produce up to 2 tonnes of green and renewable hydrogen per day (5 MW).**

Its central location will enable Lhyfe to supply its customers across almost all of Brittany – within a radius of about 150 km – in keeping with its short supply chain philosophy.

Decarbonising mobility and industry and developing a regional hydrogen project in Brittany

Under the VHyGO or Great West Hydrogen Valley initiative, supported by public and private players in the west of France, *Lhyfe Bretagne* will supply two refuelling stations operated by HyGO in the Lorient area – one at the Lorient bus depot and the other, open to the public, on the

left bank of the Scorff, for maritime purposes. Eventually, 19 buses and two passenger transport boats (known as Transrades) could be powered by this clean and local energy in the Lorient conurbation. These hydrogen-powered Transrades will be a first in France. Lorient Agglomération is actively participating in ecological transition by renewing its fleet of public transport vehicles. It aims for its fleet to be made up entirely of clean vehicles in 2030 and to achieve carbon neutrality in 2050, with the migration of buses (80% of the fleet will have BioGNV engines and 20% renewable hydrogen fuel cell engines) and ships (with the arrival of hydrogen-powered sea buses).

As well as decarbonising uses, this project has a strong regional dimension as it is helping to build a hydrogen-related industry:

- Development of land-based uses as well as maritime and industrial hydrogen applications,
- Development of the local training offer (degree in Energy, Electrical and Hydrogen engineering from the Southern Brittany University (UBS),
- Increase in skills of numerous companies in the hydrogen field (construction, operation and maintenance of hydrogen infrastructure, and particularly of vehicles and boats),
- Provision of clean energy through the development of public hydrogen filling stations in Brittany.



Pierre Bouédo, Mayor of Buléon: *“We are proud to welcome the first green and renewable hydrogen production site in Brittany to Buléon. We are all the more proud as green and renewable hydrogen is just beginning to be deployed in France and throughout the world. The central location of Buléon will allow the whole region to gain in energy independence and to pursue the transition that is needed and that our citizens expect from us.”*

Fabrice Loher, President of Lorient Agglomération and Mayor of Lorient: *“In 2023, Lorient Agglomération will accelerate its ecological and energy transition, via the decarbonisation of its land and sea transport. This transition is necessary to achieve energy sobriety, and even sovereignty, for our area. This year will see the deployment of an integrated local renewable hydrogen chain, from production to use, including research and development, innovation and training. The various building blocks of this new strategic sector are being put in place. Next autumn, the first seven hydrogen buses will be on the road and fuelled by the hydrogen production facility in Buléon. In parallel, ENSIBS, the South Brittany University National Engineering School, is launching the first engineering degree in France in the field of “Energy and Hydrogen” in apprenticeship mode, to better align the region’s training offer with the future*

needs of companies in the energy sector. By promoting innovation and building on the structuring of new strategic sectors such as renewable hydrogen, Lorient Agglomération is strengthening its position as a major economic player in Brittany.”

Maud Augeai, Director of Territorial Development France at Lhyfe: *“The Great West Hydrogen Valley or VHyGO project, which aims to democratise access to green and renewable hydrogen in the west of France region, is a formidable vector for accelerating the sector. We are keen to participate, with our public and private partners, in the construction of a hydrogen-related industry in Morbihan and, more widely, in Brittany. Green and renewable hydrogen is now a reality. Many ecosystems are being structured nationally and in Europe, in which Lhyfe is actively involved.”*

Lhyfe Bretagne is part of the Great West Hydrogen Valley (VHyGO) project and has benefited from part of the funds allocated to the project partners.

The consortium made up of HyGO, GNVert and Lhyfe was awarded a Global Performance Contract by the urban area of Lorient for the design, construction, operation and maintenance of two green and renewable hydrogen refuelling stations. *Lhyfe Bretagne* will supply them with green and renewable hydrogen for a period of ten years.

Furthermore, in line with its short supply chain philosophy, Lhyfe contracts – whenever possible – with local companies, such as the Breton group Ovalt which is to build its control rooms.

About Lhyfe

Lhyfe is a European group devoted to energy transition, and a producer and supplier of green and renewable hydrogen. Its production sites and portfolio of projects intend to provide access to green and renewable hydrogen in industrial quantities, and enable the creation of a virtuous energy model capable of decarbonising entire sectors of industry and transport.

In 2021, Lhyfe inaugurated the first industrial-scale green hydrogen production plant in the world to be interconnected with a wind farm. In 2022, Lhyfe inaugurated the first offshore green hydrogen production pilot platform in the world.

Lhyfe is represented in 11 European countries and has 150 staff at the end of 2022.

The company is listed on the Euronext market in Paris (ISIN: FR0014009YQ1 –LHYFE).

For more information, please go to www.lhyfe.com

[Click to access the Lhyfe Media Kit \(press kit and visuals\)](#)

About the Great West Hydrogen Valley (VHyGO) project

The VHyGO initiative, launched in 2020, brings together public and private players, under the coordination of Lhyfe.

Their ambition is to build the first supraregional infrastructure for the production and distribution of green hydrogen in France, in the west of France region, in order, in the long term, to reduce carbon footprint by 50,000 t of CO₂. VHyGO aims to deploy five production sites for a volume of approximately 10 tonnes per day and 15 hydrogen filling stations in the regions of Brittany, Normandy and Pays de la Loire. VHyGO was selected for funding by ADEME under its “Territorial Hydrogen Ecosystem” call for projects.

About Lorient Agglomération

The territorial plan of the Lorient urban area, approved in 2021, affirms its ambition to contribute locally to carbon-free energy autonomy and to become an exemplary area in terms of ecological and energy transition. Lorient Agglomération’s hydrogen plan aims to create an integrated green hydrogen industry, drawing on local drivers through the production of renewable hydrogen less than 100 kilometres from filling stations, through land and sea-based uses, and partnerships with local research centres (e.g. Southern Brittany University) to help develop the technology and deploy local training courses (an Energy, Electrical and Hydrogen engineering course at ENSIBS in Lorient is currently being approved by the national engineering education commission), as well as industrial development based in particular on the capacity of companies to innovate.

Contacts :

LHYFE :

Industry Press Relations

Nouvelles Graines

Clémence Rebours

+33 (0)6 60 57 76 43

c.rebours@nouvelles-graines.com

Financial Press Relations

ACTUS

Manon Clairét

+33 (0)1 53 67 36 73

mclairét@actus.fr

Investor Relations

Maria Pardo Saleme, CFO

maria.pardosaleme@lhyfe.com