



Lhyfe and Capital Energy team up to produce green hydrogen at sea with power from offshore wind farms in Spain and Portugal

- The collaboration agreement signed between Lhyfe and Capital Energy could be extended to other markets in the future.
- Lhyfe is one of the pioneers of green hydrogen production with an offshore production prototype already operational in France.



Nantes (France) and Madrid (Spain), 12 June 2023, 7.30 a.m. CET - **Lhyfe and Capital Energy have signed a collaboration agreement for the joint development of offshore renewable hydrogen projects in Spain and Portugal. Lhyfe (EURONEXT: LHYFE) is one of the world's pioneers in green and renewable hydrogen production and a pioneer in offshore hydrogen production projects, Capital Energy is a Spanish energy producer and distributor founded over twenty years ago and which aspires to become the first 100% renewable vertically integrated energy operator on the Iberian Peninsula.**

Under the agreement, the two companies will work together to create hydrogen production sites at some of the offshore wind farm sites currently being developed by Capital Energy. The Spanish energy company already has a development pipeline of more than 7.5 gigawatts (GW) in both countries.

For Lhyfe and Capital Energy, the joint installation of offshore wind farms and hydrogen production sites would have considerable benefits, mainly in two key areas: economic benefits through the economies of scale achieved, and social benefits through the growing industrial overlap of the projects, given that a greater number and variety of suppliers and specialists will be required.

Such initiatives will also benefit the energy system as a whole as the wind energy produced in these wind farms would be more controllable, avoiding curtailments. And in some cases it would be possible to send less power to the grid (e.g. in case of congestion of the grid) and more to the hydrogen production unit, to which some of the wind turbines would be directly connected.

The collaboration agreement signed between Capital Energy and Lhyfe could be extended to other markets in the future.

Lhyfe is the only company in the world to have an operational prototype for offshore green hydrogen production. This system, known as Sealhyfe, was inaugurated in France in September 2022. The company aims to have 200 MW of green hydrogen production capacity by the end of 2026 and 3 GW by the end of 2030. With projects in 11 countries, Lhyfe has over 149 staff dedicated entirely to renewable hydrogen production.

Pablo Alcón, Offshore Director at Capital Energy said: “We have been committed with developing green hydrogen projects on the Iberian Peninsula for the past years and it was time to take the step into offshore, so we have joined forces with the best possible partner, Lhyfe, which has substantial experience in offshore hydrogen production. Through this alliance, we intend to use some of the energy generated by our offshore wind farms to produce hydrogen, which will help to drive the energy transition in a balanced way and solve potential bottlenecks in the electricity system. It will also increase the socio-economic benefits of our offshore projects, with greater investment and more skilled jobs.”

Taia Kronborg, Chief Business Officer at Lhyfe said: “This agreement with Capital Energy is a tremendous opportunity to foster the transition to clean energy through the large-scale production of green hydrogen at sea. Producing H₂ via electrolysis at sea will maximise the immense potential of offshore wind energy. Countries with a coastline, such as Spain and Portugal, can drastically reduce their dependence on fossil fuels and improve their national energy security, while producing net-zero emissions and boosting local economies.”

For an interview with the spokespersons above, please contact the press department.

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

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 had 149 staff at the end of 2022. The company is listed on the Euronext market in Paris (ISIN: FR0014009YQ1 – LHYFE). [Lhyfe.com](https://www.lhyfe.com)

Capital Energy is a Spanish integrated utility committed with the green energy transition. The group currently has the largest portfolio of onshore wind and solar energy projects on the Iberian Peninsula amounting to over 25 gigawatts (GW) of power, as well as 7.5 GW of offshore wind projects in development. Capital Energy is present along the entire renewable energy value chain – from promotion, where the company has a consolidated position thanks to its nearly 20-year history, to construction, production, storage, operation and supply. The company has 16 offices in Spain and Portugal with 390 employees.

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