

New contract

Elogen is selected by Storengy to equip "HyPSTER", the first green hydrogen storage project supported by the European Union

Elogen announces that it has been selected by Storengy as part of the HyPSTER¹ project for the supply of a PEM electrolyser with a power of 1 MW for the Etrez site (Ain - France).



Elogen, a GTT group company, announces that its unique membrane electrolyser technology has been selected by Storengy, as part of the HyPSTER project, to store green hydrogen produced from renewable energies. Elogen will design and produce the 1MW PEM (Proton Exchange Membrane) electrolyser and will install its technology in 2022 at the Etrez site.

¹ HyPSTER: Hydrogen Pilot Storage for large Ecosystem Replication.



HypSTER is a large-scale green hydrogen storage demonstrator, coordinated by Storengy, the European leader in natural gas storage. The company is surrounded by six other partners with complementary expertise: INERIS, Armines / Polytechnique, INOVYN, ESK, Element Energy, AXELERA.

HypSTER is the first underground green hydrogen storage project in a saline cavity to be supported by the European Union. It will allow a better assessment of the place of storage in the hydrogen value chain.

The Etrez site, France's leading natural gas storage site in salt caverns in terms of capacity, will rely on local renewable energies (photovoltaic, hydraulic) to produce green hydrogen. The facility will allow the production of 400 kg of green hydrogen per day. This production will test the storage of green hydrogen at a level of 2 to 3 tonnes initially until the full capacity of the identified salt cavity is used, i.e. 44 tonnes. Experimentation with the storage of hydrogen in a saline cavity and the production of green hydrogen will start in 2023.

Jean-Baptiste Choimet, CEO of Elogen, comments: *“This new contract represents an important step for Elogen as it positions us in storage, which is a strategic link in the hydrogen value chain. Storengy's choice of electrolysis technology developed by Elogen thus demonstrates the relevance and performance of membrane technology for producing hydrogen from renewable energies, and consolidates our collaboration with this major player in natural gas storage in Europe². The HypSTER demonstrator will play a key role in supporting the development of the green hydrogen economy in Europe and we are particularly proud to associate our innovative technology with this major project. ”*

For more information on the HypSTER project, visit the website:

<https://www.hypster-project.eu/>

This project receives funding from the Public-Private Partnership on Fuel Cells and Hydrogen (FCH 2 JU) under grant agreement No. 101006751. This Public-Private Partnership has received support from the European Union's Horizon H2020 research and innovation program, Hydrogen Europe and Hydrogen Europe Research.

² Elogen (ex Areva H2Gen) and Storengy also collaborated within the framework of the Méthycentre project: <https://methycentre.eu/>



About Elogen

Elogen, a technological expert at the service of green hydrogen

Elogen is developing advanced technologies to design and produce PEM (Proton Exchange Membrane) electrolyzers to meet new uses of hydrogen in mobility, industry and energy storage. Elogen, a GTT technology group company, relies on a powerful R&D and a robust manufacturing process to provide its customers with competitive, reliable systems tailored to their needs. The technological solutions developed by Elogen, particularly suited to renewable energies, demonstrate superior efficiency and competitiveness.

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About GTT

GTT is a technological expert in containment systems with cryogenic membranes used to transport and store liquefied gases. For over 50 years, GTT has been designing and providing cutting-edge technologies for a better energy performance, which combine operational efficiency and safety, to equip LNG carriers, floating terminals, land storage, and multi-gas carriers. GTT also develops systems dedicated to the use of LNG as fuel, as well as a full range of services, including digital services in the field of Smart Shipping. The Group is also active in hydrogen through its subsidiary Elogen, which designs and assembles electrolyzers notably for the production of green hydrogen. GTT is listed on Euronext Paris, Compartment A (ISIN FR0011726835 Euronext Paris: GTT) and is notably included in SBF 120 and MSCI Small Cap indices.

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