

New contract

Elogen is selected by Storengy as part of the construction of a methanation unit developed for the Communauté d'Agglomération Pau Béarn Pyrénées

Elogen announces that it has been selected by Storengy to supply a PEM electrolyser with a power of 1 MW as part of the construction of a methanation unit for the Communauté d'Agglomération Pau Béarn Pyrénées.



Elogen, a GTT group company, announces that its membrane electrolysis technology has been selected by Storengy as part of the project, developed by the Communauté d'Agglomération Pau Béarn Pyrénées, for the operation of the Lescar wastewater treatment plant, and the construction of methanization and methanation units.



Elogen will design and produce a PEM (proton exchange membrane) electrolyser with a power of 1 MW, and capable of peak operation at 1.3 MW. The Elogen electrolyser, which will be part of the methanation unit, will be delivered in the first half of 2023 to the Lescar wastewater treatment site.

The PEM electrolyser, designed by Elogen, will be used in the production of synthetic methane developed by Storengy in Pau Lescar by means of an innovative technological process of catalytic methanation. This process will make it possible to transform all the carbon dioxide emitted by the methanization unit present on the site, into synthetic methane, thanks to the use of the hydrogen produced by the electrolyser.

The project, developed by Pau Béarn Pyrénées, will make it possible to produce 10 energies and resources from the wastewater of Lescar¹, and is part of the objective to achieve carbon neutrality by 2040.

Jean-Baptiste Choimet, CEO of Elogen, comments: *“We are particularly proud of this new contract as it allows Elogen to contribute to the development of an unprecedented project to transform a depollution unit into a real “biofactory” that will produce green energy and resources from wastewater and CO₂. This is also a third collaboration with the Storengy group, the second in the field of methanation, confirming that the PEM technology developed by Elogen offers the advantages sought for the most innovative projects.”*

Christophe Renier, Director of Industrial Expertise and Energy Solutions at Storengy, says: *“With ever more innovative solutions for the production of renewable and low-carbon gas, Storengy enables its customers to accelerate their energy transition. Thanks to the hydrogen produced by the Elogen electrolyser, our methanation process will transform all the CO₂ resulting from the treatment of sludge from the sewage treatment company in Lescar into synthetic methane, which is 100% renewable. This will be a first in France. We are proud to be able to write this new story as part of our consortium with Suez and all of our partners, on behalf of the Communauté d’Agglomération Pau Béarn Pyrénées.”*

¹ Biomethane, synthetic methane, Biochar, heat, electricity, nitrogen fertilizer, oxygen, green hydrogen, reused water, vegetable crops.



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 FRO011726835 Euronext Paris: GTT) and is notably included in SBF 120 and MSCI Small Cap indices.

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