

Entech partners with Genvia to industrialise high-temperature electrolyzers

- Signature in Béziers (France) of a Memorandum of Understanding (MOU) for a strategic partnership between Entech and Genvia
- Delivery of 2 conversion containers, in Béziers and Grenoble, scheduled for 2023
- Emergence of a French hydrogen industry driven by innovative companies

Béziers / Quimper, October 16, 2023- Entech (FR0014004362 - ALESE), the technology company specialized in smart renewable energy storage and management, delivered a containerised electrical conversion and distribution solution to Genvia at the end of September for the Béziers pilot site. A second piece of equipment will be delivered to the CEA site in Grenoble later this year. Entech's solutions will equip the first Genvia electrolyzers to be commissioned this year as part of its pilot project, supported by the French government via BPIFrance, the first step towards the large-scale manufacture of high-temperature electrolyzers for the production of carbon-free hydrogen on a global scale. On 12 October, Entech and Genvia signed a strategic partnership in the form of a Memorandum of Understanding (MOU) covering the forthcoming industrial phase.

Scalable and compact, the technical solution developed by Entech supplies power to the electrolyser stacks from the electrical grid, as well as other functions essential to the smooth operation of the electrolyser. This collaboration will make it possible to explore and research advanced power electronics solutions for improving the efficiency of H₂ production.

The first Genvia demonstrators will be capable of producing up to 600 kg of carbon-free hydrogen per day, with energy yields unmatched by existing technologies. They are currently being deployed at Genvia sites, with deployment at the first industrial steelworks planned for 2025. Genvia's objective is to test and validate its breakthrough SOEL (Solid Oxide Electrolysis) electrolysis technology on a system of significant size, representative of its first markets.

"Choosing the right partners, like in this collaboration with Entech, is a key factor in the success of the rapid industrialisation of our high-performance electrolyser technology, with a view to addressing the strong growth of the low-carbon hydrogen market. This initial demonstration phase is an important milestone for testing our technology in real conditions, before our electrolyzers are ramped up and deployed on a mass scale," said Florence Lambert, President of Genvia.

"Entech is delighted to have won the confidence of Genvia, one of the major players in electrolysis in France and in Europe, with a very promising technology. Entech's skills in power electronics, integration and control convinced Genvia's teams to choose us as their partner for the conversion component of their electrolyzers, and we're proud of that! Our agility and availability during the pre-project phase are qualities that we cultivate on a daily basis to effectively support our customers in the development of their hydrogen solutions," says Christopher Franquet, CEO and co-founder of Entech.

About Entech

Faced with the technological challenges posed by the strong growth of new energies within the energy mix, Entech enables the massive integration of renewable energies and access to energy thanks to storage and electrical conversion solutions controlled by intelligent software systems.

Builder of the new energies, Entech develops, builds and operates production plants and storage systems - batteries or hydrogen - on-grid or off-grid. Founded in Quimper in 2016, Entech has already completed more than 300 projects worldwide and today employs 150 people.

Selected in 2021 by "La French Tech" in its Green20 programme and recognised by numerous awards for its capacity to innovate in supporting the energy transition, Entech is committed to acting on a daily basis as a responsible company, not only from an environmental point of view but also from a social and societal one.

For more information: <https://entech-se.com/> and [LinkedIn](#)

Media contact : Calyptus

Mathieu Calleux / Céline Bruggeman

entech@calyptus.net

01 53 65 37 91 / 37 90

About Genvia

Created in 2021, Genvia is a joint venture between the industrial company SLB, the CEA, as well as Vicat, Vinci and the Occitanie / Midi-Pyrénées Region via ARIS. This strong alliance between partners with complementary expertise is essential to industrialise this innovative electrolysis technology developed by the CEA.

Genvia's aim is to industrialise high-temperature electrolyser (HTE) technology to mass-produce carbon-free hydrogen, a first in France, and thus help to achieve carbon neutrality targets by 2050, particularly for industry.

<http://genvia.com>

Contact presse :

Julia Abellaneda

julia.abellaneda@genvia.com

07 88 99 06 49