

Press release

Power-to-Gas: McPhy delivers 4 MW of H₂ production units to China's Hebei province and strengthens its position for multi-MW international projects.

As expected, McPhy delivered the Power-to-Gas platform to its customer Jiantou Yanshan (Guyuan) Wind Energy, confirming its expertise in executing major clean hydrogen production projects.

La Motte Fanjas, 29 June 2017 – McPhy, the designer, manufacturer and integrator of hydrogen equipment for the energy, transport and industrial sectors, announces the delivery to Jiantou Yanshan (Guyuan) Wind Energy, a subsidiary of the state-owned manufacturer Hebei Construction and Investment Group Co., Ltd, operating in the Hebei province of China, of 4 MW hydrogen production equipment for a Power-to-Gas application. Combined with a solid-state hydrogen storage solution, the McPhy system makes it possible to transform green energy and store the surplus energy generated by a 200 MW wind farm.

11 MW Rapid Response Electrolysis delivered worldwide

This delivery raises the total power of large capacity hydrogen generators delivered by McPhy to 11 MW.

Perfectly adapted to intermittent renewables, this rapid response hydrogen generation equipment provides energy companies with a valid solution for maintaining the stability of electrical networks. Recognized for their high efficiency, robustness, ease-of-integration, McPhy equipment is specifically designed to limit installation and operating costs.

The system delivered to the Hebei province is a 4 MW compact model including two McLyzer 400 modules, transformers, power electronics, a purification and drying unit and a solid-state storage module. It is scheduled to be installed and commissioned at the end of the year, initiating in the heart of China a complete value chain for surplus electricity of renewable origin.



Expertise in the management of international projects

This major reference confirms McPhy's ability to execute large-scale projects for converting renewable energy into hydrogen destined to be injected into the network or used as a commodity.



McPhy has implemented optimized processes for sourcing, packaging and delivery, thus demonstrating its expertise in the logistics for projects for the expert segment of major international regions.

After the customer requirements specification phase, McPhy equipment is preassembled in containers to facilitate their transport, unloading and assembly on-site with the objective of global performance.

"Whereas energy transition is leading to large-scale installations for the production of renewable electricity, energy companies are faced with the challenge of managing the intermittency of the supply to electrical networks. Based on nearly 10 years of experience in hydrogen production and storage solutions, we propose, wherever they are located, custom-designed solutions to ensure a balance between energy supply and demand in their networks. Our design, production, delivery and installation chain is now properly scaled to support this international development strategy", concluded McPhy's Chairman and CEO, Pascal Mauberger.



"Operations scaled for successfully executing international projects"

About McPhy

In the framework of the energy transition, and as a leading supplier of hydrogen production, storage and distribution equipment, McPhy contributes to the deployment of clean hydrogen throughout the world.

Thanks to its wide range of products and services dedicated to the hydrogen energy, zero emission mobility and industrial hydrogen markets, McPhy provides turnkey solutions to its clients. These solutions are tailored to our client applications: renewable energy surplus storage and valorization, fuel cell car refueling, raw material for industrial sites.

As a designer, manufacturer and integrator of hydrogen equipment since 2008, McPhy has three development, engineering and production units based in Europe (France, Italy, Germany).

The company's international subsidiaries ensure a global sales coverage of McPhy's innovative hydrogen solutions.

McPhy is listed on NYSE Euronext Paris (Segment C, ISIN code: FR0011742329; ticker: MCPHY).

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