

Power-to-Gas : McPhy Energy awarded a maintenance contract for Audi Power-to-Gas plant in Werlte (Germany)

La Motte-Fanjas (France), May 21st, 2015 – McPhy Energy, specialized in hydrogen production and storage equipment for industry and energy markets has been selected to provide preventative and corrective maintenance services for the Audi e-gas plant in Werlte, Germany. This decision is a consequence of a partnership between Audi and McPhy which started in late 2013, when McPhy Energy finalized the installation and commissioning of the 6 MW water electrolysis plant for the Werlte installation.

The plant uses surplus green electricity to produce hydrogen from water in three alkaline electrolyzers. The hydrogen is reacted with CO₂ to produce synthetic methane, or Audi e-gas. It is virtually identical to the fossil, natural gas, and is distributed via an existing infrastructure, the German natural gas network, to CNG filling stations for Audi's A3 g-tron series. Audi produces up to 1,000 metric tons of e-gas per year, chemically binding some 2,800 metric tons of CO₂. This roughly corresponds to the amount that a forest of over 220,000 beech trees absorbs in one year. Water and oxygen are the only by-products.

"We trust in McPhy Energy's capabilities and strong customer-focus to provide the best possible support for sustaining a high reliable and performing plant technology", said Reiner Mangold, Manager Sustaining Product Development at Audi.

The 6 MW alkaline electrolyzer is a key component of the e-gas power plant technology, making it possible to extract hydrogen from water through surplus electricity. Through its expertise, the McPhy Energy's subsidiary in Wildau (Germany) has further optimized this technology (today known as "Alcaline 2.0" electrolysis) and developed in-depth experience assuring its integration into energy infrastructures such as electrical or natural gas networks.

McPhy Energy is a turnkey partner for power-to-gas applications offering value-added equipment and engineering know-how.

About McPhy Energy

McPhy Energy is a leading developer of hydrogen-based solutions. The French company draws on its exclusive technique for storing hydrogen in solid form and its years of experience in producing hydrogen through water electrolysis to design and manufacture flexible storage and production equipment.

McPhy Energy markets easy-to-use, environmentally-friendly solutions combining unique safety features and energy independence in the renewable energy, mobility and industry sectors.

The Group has three production sites in France, Germany and Italy and an R&D laboratory in France. McPhy Energy is listed on NYSE Euronext Paris (Segment C, ISIN: FR0011742329; ticker: MCPHY).
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