Press release

Power-to-gas: McPhy Energy connects ENERTRAG's hydrogen hybrid power plant in Prenzlau to the natural gas network

Since the hydrogen injection system in November 2014 has come on line, more than 100 MWh of surplus wind energy have been converted into hydrogen and injected into the gas supply network by ENERTRAG's hybrid power plant in Prenzlau.

La Motte-Fanjas, 9 February 2015 - McPhy Energy, specialising in hydrogen-based solutions for industrial and energy storage, has modified and adapted the existing hybrid power plant and built the interface to the gas injection system. Since then, ENERTRAG, one of the largest independent European renewable energy supplier, has been able to convert more than 100 MWh of surplus wind energy into hydrogen and safeguard its energy utilization through injection into the gas grid. This provides an industrial scale demonstration of the economic potential of power-to-gas.

The heart of the Prenzlau power plant technology is a 0.5 MW alkaline electrolyzer, making it possible to extract hydrogen from water through surplus electricity. It was built by a division of ENERTRAG, which was acquired by McPhy Energy in September 2013. Through its expertise McPhy Energy's subsidy in Wildau (Germany) further optimized this technology to become known as "Alcaline 2.0" electrolysis and developed in-depth experience in integrating it into energy infrastructures such as electrical or natural gas networks. McPhy Energy is a turn-key partner for power-to-gas applications by contributing its equipment and engineering know-how.

The Prenzlau hybrid power plant was built by ENERTRAG and supported by the European Union, Deutsche Bahn, Total and Vattenfall.

"*We are pleased with the engineering and project execution capabilities of McPhy Energy. We are now able to demonstrate that Power-to-Gas is an intelligent idea to master the energy transition into a renewable world*", said Jörg Müller, Founder and CEO of ENERTRAG.

Pascal Mauberger, CEO of McPhy Energy said "*for the integration of hydrogen as an important future vector of our energy system, to have innovative, efficient and competitive products is one thing, but being able to offer our customers application*

know how plus the capability of executing complex integration projects, will be a crucial component of our success".

About McPhy Energy

McPhy Energy, a leading developer of hydrogen-based solutions, was founded at La Motte Fanjas (Drôme) in France in 2008. The 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, environmental-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 a R&D laboratory in France.

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

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