

Air Liquide acquires stacks in H2V Normandy

Air Liquide has acquired a 40% stake in H2V Normandy, a subsidiary of H2V Product. H2V Normandy is Located in the industrial zone of Port-Jérôme in Normandy and aims to build a large-scale electrolyser complex of up to 200 MW, aiming to supply renewable and low-carbon hydrogen for industrial applications and the transport sector.

Aquarius Engines and Honda-affiliate develop generators

Aquarius Engines will work together with Musashi Seimitsu (an affiliate of Honda) to develop electricity generators which can be used in the automotive and telecommunications industry. Under the plan, Aquarius will establish a subsidiary in Japan to collaborate on R&D and especially on the patented linear free-piston engine to operate on hydrogen. The move comes a year after the Japanese auto-parts manufacturer invested capital into the company.

The Aquarius Engine, which is consisted of just 20 parts with one moving part, has a variety of applications and can power a vehicle or be used as a stand-alone power electricity generator. Its design and weight make it easier to maintain and efficient.

HysetCo acquires taxi operator Slota; plans hydrogen conversion

HysetCo, which owns Hype hydrogen taxis fleet, acquired a Paris-based taxi operator Slota that operates a fleet of 600 diesel vehicles. HysetCo plans to replace the newly acquired fleet with Toyota Mirai, which is powered by fuel cells. HysetCo is founded by a group of companies including Air Liquide, the Société du Taxi Électrique Parisien (STEP) and Toyota.

Johnson Matthey adds new catalyst coated membranes capacity

Johnson Matthey (JM), a British chemical and sustainable technology company, has added new production capacity of catalyst coated membranes at its plant in Swindon, UK, where besides catalyst coated membranes it also produces other key components for the electrolyser market such as membrane electrode assemblies and fuel processor catalysts. The new capacity will help JM to support the growing demand for catalyst coated membranes.

JP Morgan says the involvement of major companies is vital for hydrogen success

In its 2021 [global alternatives outlook report](#), JP Morgan emphasised that in the transportation sector and especially, shipping, hydrogen or ammonia can have the growth potential but will need fuelling infrastructure worldwide. Large companies would be able to invest in such projects. It rightly pointed out that renewable power generation presents both a challenge and an opportunity and small hydrogen/synfuel plants can help improve the power quality and

stabilisation. The transition from fossil due to decarbonisation should also create investment opportunities; renewable power is one of them to be benefited.

Loop Energy appoints George Rubin as COO

Loop Energy, a Canadian mobile power company, which offers hydrogen fuel solutions to the transport sector, appointed George Rubin as appointed Chief Commercial Officer (CCO), promoted from MD commercial strategy.

McDermott to conduct a study on liquid hydrogen storage

CB&I Storage Solutions, a part of McDermott International Ltd, will conduct a study for a natural gas producer to explore potential to expand current liquid hydrogen storage capacity limits. CB&I specialises in the field-erected spherical cryogenic hydrogen storage. The company has a strong track record in the hydrogen business and built the first liquid hydrogen sphere in 1960, with the storage capacity of 170 cubic meters. Since then the company has extended the capacity around 5k cubic meters.

Mitsubishi Power to install smart hydrogen compatible gas turbine in Texas

El Paso Electric, a Texas-based public utility company, has chosen Mitsubishi Power's 228 MW Smart M501GAC gas turbine to produce clean power. It will help the utility company to ramp up its renewable energy portfolio and reduce carbon emissions. The turbine can be run on natural gas or mixed natural gas with up to 30% hydrogen. The turbine can be reconfigured to run on 100% hydrogen in the future. EPE and Mitsubishi Power are also planning to create a green hydrogen infrastructure roadmap in the coming months.

Nel launches MC500 containerised proton PEM electrolyzers

Nel Hydrogen Electrolyser has launched the MC250 and MC500 containerised proton PEM electrolyzers, with a standard 1.25 and 2.5 MW (246 and 492 Nm³/h) configurations respectively. These are using 1.25 MW PEM cell-stack for higher capacities per unit and lower cost.

Plug Power choose Rochester for its Gigafactory

Plug Power, a US provider of hydrogen engines and fuelling solutions, picked New York's Rochester for its PEM stack and electrolyser Innovation Center, which will come online by mid-2021. Besides as an R&D centre, it would have a capacity of over a gigawatt of electrical output and centre for MEAs and fuel cell stacks.

It will produce nearly 7 million MEAs/plates, 60,000 stacks, and 500 MW of Electrolysers annually. The project will see an investment of \$125 million in the local economy and creating 375 jobs.

Proteum Energy's hydrogen technology is endorsed

Proteum Energy, a US green technology company, said that its FTF300/HDF300 technology is endorsed by DNV GL, an accredited international registrar for oil and gas processing equipment validation. The technology converts non-methane hydrocarbons into low-emission fuel streams & hydrogen utilising integrated systems components.

The lurching of Hydrogen Valley Platform (MI)

The Mission Innovation Hydrogen Valley Platform has now been launched- covering 32 projects worth €31 billion from 18 countries. You can learn more about it by visiting its website: [Hydrogen Valley Platform](#)

[Read the Exclusive Interview: Hydrogen cost can be reduced, and efficiency increased; the latest research findings.](#)