Air Liquide extends agreement with BASF in Korea

Air Liquide, a French multinational of industrial gases, and BASF, a German multinational chemical giant, extended their existing contract terms over the long term, BASF increasing its reserved capacity by over 20%.

ENGlobal provides an update on $25 million hydrogen plant

ENGlobal Corp, a US-engineered modular solutions supplier, provided a progress update on its modular hydrogen production facility project. The plant will employ a hydrogen reforming technology that will use 20% less feed and fuel gas than conventional hydrogen plants, consequently reducing cost and emission. The company signed for the project in November 2019 and is valued at ~$25 million. So far, the engineering and design stage is completed, and now the fabrication part has started.

Hyundai power fuel cell power generation facility starts test-running

Hyundai started trial operation of its hydrogen fuel cell power generation system. It partnered with electric and power companies to install its 1 MW facility in the Ulsan Thermal Power Station.

Marshall Excelsior acquires CPC-Cryolab and Rockwood Swendeman

Marshall Excelsior Company, a Harbour Group company, has acquired the assets of CPC-Cryolab and Rockwood Swendeman. CPC-Cryolab supplies liquid hydrogen and helium valves, and Rockwood Swendeman focuses on cryogenic safety relief valves. The transaction terms are undisclosed. Harbour Group is a privately owned US company which has acquired 214 companies since its creation in 1976.

Mott MacDonald will design a leading hydrogen production project

NortH2 Consortium, a leading green hydrogen project, has chosen Mott MacDonald, a UK consultancy, to design a conceptual framework for the project which would be the final investment base. The project feasibility study is expected to be completed by mid-2021 and development to start at the later part of 2021. NortH2 plans to integrate 4 GW of offshore wind energy into green hydrogen production by 2030 and then add over 6 GW by 2040. The project is assessed to generate 1 million tonnes/year of green hydrogen by 2040, saving 8- 10 megatonnes of CO2 annually.

Nel targets US$ 1.5/kg for green renewable hydrogen to beat fossils

Nel ASA, a Norwegian hydrogen solution company, set a target of producing green hydrogen at US$ 1.5/kg by 2025, to beat fossil fuels, assuming power costs at US$ 20/MWh. It is increasing electrolysis production and building a facility at Heroya, Norway. The first 500 MW production line will be tested in Q2 2021. The company can potentially increase the production capacity at Heoya over 2 GW/year.

Contact: Info@h2bulletin.com. Published in London, UK.

Vattenfall and Preem explores potential hydrogen plant

Vattenfall, a Swedish power company, is exploring a possibility to meet the growing hydrogen demand of Preem, a Swedish fuel producer, with green hydrogen from water electrolysis. If the ongoing study proves positive, then the next step would be to build the first electrolysis plant of 200-500 MW at the Lysekil refinery. Preem aims to produce 5 million cubic metres of biofuel by 2030, reducing around 12.5 million tonnes of CO2 from the transport, equal to ~20% the country's total emissions. This shift in production will require a sizable supply of hydrogen.