Daimler and Volvo finalise the fuel-cell joint venture

Read the full news

EKPO Fuel Cell Technologies ready to operate

EKPO Fuel Cell Technologies, the joint venture of ElringKlinger (60%) and Plastic Omnium (40%), is now ready to start operations, having implemented all contractual arrangements and been granted the necessary antitrust approvals. Initially, the company will focus on commercial vehicles and buses and then on passenger cars. Special vehicles, trains, and ships are also fields of growth potential. The company site in Dettingen/Erms, Germany, can produce up to 10,000 fuel cell stacks per year according to automotive industry standards and critical components of a stack, such as bipolar plates or media modules.

Hexagon Purus signs Joint Venture agreements with CIMC Enric for China and Southeast Asia

Hexagon Purus AS today signed two joint venture agreements with CIMC Enric Holdings Limited, a supplier of cryogenic and compressed gas storage and transportation solutions and manufacturer of clean energy equipment, headquartered in Shenzhen, People's Republic of China. The joint ventures will serve the Chinese market's fast-growing demand for safe, lightweight and cost-efficient compressed hydrogen storage solutions. The Chinese government is currently implementing relevant industrial standards for T4 cylinders.

The Cylinder JV will be majority-owned by Hexagon Purus (Hexagon Purus will own 51%, and CIMC Enric will own 49%), and the Systems JV will be majority-owned by CIMC Enric (CIMC Enric will own 51% and Hexagon Purus will own 49%). The JVs expect to start the production of high-pressure T3 fuel storage in 2021. Production line capacity will be designed to accommodate approximately 100,000 cylinders annually, in the first stage towards the middle of the decade. Construction of the new facility is expected to commence as early as the second quarter of 2021.

HyPoint unveils hydrogen fuel cell prototype for aviation and urban air mobility

Read the full news

Hyundai Motor breaks ground on first overseas fuel cell system plant in Guangzhou

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

Hyundai Motor Group has held a virtual groundbreaking ceremony for HTWO Guangzhou, the Group's first fuel cell system facility outside Korea. The investment advances the Group's global hydrogen leadership and supports its push into China's rapidly developing hydrogen industry. Hyundai Motor Group designated the production and sales hub 'HTWO Guangzhou' in line with its dedicated fuel cell system brand.

HTWO Guangzhou will be built in the Guangzhou development district of Guangdong Province, China, to complete the project in the second half of 2022. Facilities, including a fuel cell system plant and an innovation centre, will be built on the 207,000-square-meter site. The facility's annual production target is 6,500 units to gradually expand production capacity in line with Chinese market conditions and central government policies.

Korea's SK to build the world's largest liquefied hydrogen plant

Read the full news

Loop Energy and Morello launch strategic cooperation in the heavy -duty materials handling market

Loop Energy Inc and Morello Giovanni S.r.l. announced today the signing of a strategic cooperation agreement for the development and manufacture of heavy-duty hydrogen-electric material handling equipment. The deal anticipates Loop supplying Morello with its eFlow™ fuel cell modules for integration into hydrogen-electric heavy-duty tractors, purpose-engineered for handling extra-heavy loads inside industrial plants, including steel and paper mills. The two companies target design completed within the H1:2021, followed by construction and deployment of the initial quantity of 10 heavy-duty tractors powered by Loop fuel cells with early adopter customers over the following 18 months.

NewHydrogen expands green hydrogen technology research program at UCLA

NewHydrogen, Inc has executed an agreement to expand the existing sponsored research agreement with the University of California at Los Angeles (UCLA) to develop technology to reduce green hydrogen production cost. The initial sponsored research program at UCLA was focused on replacing the oxygen catalyst, iridium. The expanded research will focus on significantly reducing or replacing the hydrogen catalyst, platinum.

Additionally, a complete and fully optimised electrolyser device will be developed that incorporates all the innovations from this research program. This fully functional hydrogen-producing electrolyser will serve as a reference prototype to help electrolyser manufacturers worldwide use our breakthrough technology to produce low-cost green hydrogen.

Plug Power & Universal Hydrogen expand partnership to include investment and global green hydrogen supply for aviation

Plug Power Inc today announced an expansion of the relationship with Universal Hydrogen Co., a pioneer in hydrogen aviation. The companies previously announced a partnership to develop a fuel cell-based hydrogen powertrain for regional aircraft. The recent minority investment by Plug Power will enable Universal Hydrogen to complete the construction of a subscale aircraft powertrain by Q2 2021. In addition to this strategic investment, the companies further agreed to a global offtake relationship that will see green hydrogen become cost-competitive with jet fuel by 2025.

PowerTap partners with Carbonomics to maximise carbon credit opportunities

PowerTap Hydrogen Fueling Corp announced today that it has partnered with Carbonomics to get assistance in securing the certification of its hydrogen fueling co-located stations under the Low Carbon Fuel Standard (LCFS) in California. And explore other environmental trading markets, such as the US federal Renewable Fuel Standard (RFS) and voluntary carbon offset market. In particular, Carbonomics will direct PowerTap's efforts to navigate the certification and verify project activities to ensure its claims are independently validated and meet all regulatory requirements, particularly in California.

SFC Energy presents a new generation of EFOY Pro fuel cell

SFC Energy AG introduces the new EFOY Pro fuel cell generation. The fifth generation of the EFOY Pro fuel cell combines all this – guaranteed and always in harmony with the environment. The new product series reduces operating costs by up to 33%, is smaller, lighter, and more flexible. The entire fuel cell management can be controlled via the EFOY Cloud, i.e. locating the unit, adjusting it to the individual ambient conditions by remote control or analysing the data history. Users can use any commercially available router for this purpose.

US hydrogen technology company and DoE to work on HT-PEM fuel cells

Read the full news