

Advent Technologies acquires fuel cell technology company UltraCell

Advent Technologies Holdings, Inc., a fuel cell and hydrogen technology company, acquired UltraCell LLC, the fuel cell division of Bren-Tronics, Inc, on 18th February.

UltraCell produces lightweight fuel cells for the portable power market with mature products and cutting-edge technology. The portable battery chargers produced by UltraCell are the only NATO approved fuel cell products Made in the US (and one of the only two across NATO), with units already deployed in the field by military and security agencies.

An UltraCell system is claimed to be 3x-25x lighter in weight than the equivalent battery solution (depending on the application and use case). UltraCell's fuel cell innovations will complement the development of Advent's next-generation lightweight systems for the mobility market (with emphasis on the commercial drone, aviation, and heavy-duty automotive industries).

Dr Vasilis Gregoriou, Advent's CEO & Founder, said: "We believe our next-generation HT-PEM technology that we co-develop with the US Department of Energy, combined with UltraCell's expertise and lightweight stack innovations, is an unbeatable combination." He said that the next step is to partner with strategic Tier1 and OEM companies and forge a path to mass-market adoption."

Basque Hydrogen Corridor (BH2C) anticipates €1.3B investment

The Basque Country expects that Basque Hydrogen Corridor (BH2C) will attract around €13 billion over 2021-2025, said the organisation coordinator Jose Ignacio Zudaire during his presentation in Bilbao, Spain. Initially, 58 companies joined the BH2C Basque Hydrogen Corridor, where now 60 more companies are considering joining the initiative.

BayoTech launches mobile hydrogen generators this year

BayoTech Inc., an Albuquerque based startup, plans to launch its first commercial fleet of compact, mobile hydrogen generators this year. Last week Senator Martin Heinrich also visited the company's research and development facility in north Albuquerque. It uses the technology which Sandia National Laboratories initially developed. The company was founded in 2015 and attracted a new \$157 million commitment in January 2021. BayoTech claimed to have signed 15 commercial agreements with customers last year and have \$1 billion in project proposals in the pipeline.

Danieli, Leonardo and Saipem partner for green steel using hydrogen

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Groupe Renault and Faurecia to collaborate on hydrogen storage systems

Faurecia and Groupe Renault decided to collaborate on hydrogen storage systems for hydrogen light commercial vehicles. Starting at the end of 2021, Faurecia will supply hydrogen storage systems for the first fleet of light commercial vehicles. These systems will be developed and produced at its global centre of expertise in Bavans, France. As volumes increase production will be extended to a new plant dedicated to hydrogen storage systems that Faurecia is building in Allenjoie, France.

Japan-Australia project starts brown hydrogen production

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Japanese consortium releases findings on Chita hydrogen port terminal

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Kimberly Harriman joins Plug Power Board of Directors

Plug Power Inc. has appointed Kimberly Harriman to Plug Power's Board of Directors and the newest member of the company's audit committee. Ms Harriman has over twenty years of experience in the energy industry. She currently serves as VP, State Government Relations and Public Affairs, of Avangrid, Inc, where she coordinated state government relations and public affairs for electric and gas utility subsidiaries and renewable onshore and offshore energy projects across 22 states.

Madrid launches the first hydrogen bus

The president of the Community of Madrid, Isabel Díaz Ayuso, today presented the first hydrogen bus that will drive in Spain. The 12-meter bus model is called Caetano H2. It has a low integral floor, which makes it fully accessible, and three double access doors. Its capacity is 62 people with 35 seated, 26 standing, and space for one person with mobility reduced. The model, operated by ALSA, will carry out tests to study various aspects of the bus.

PowerTap eyes bus fleets and trains

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Ramaphosa announces Platinum Valley and supports hydrogen technology

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Shandong plans eight new hydrogen refuelling stations

Shandong, a Chinese province, plans to build eight new hydrogen refuelling stations, which is expected to supply around 6000 kg of hydrogen per day. The province has 11 hydrogen refuelling stations so far.

Sinopec plans to build 1000 hydrogen refuelling stations

Sinopec (China Petroleum & Chemical Corporation) plans to deploy around 1,000 hydrogen refuelling stations and hybrid petrol-hydrogen stations over the next five years. Sinopec has about 27 pilot hydrogen refuelling stations by the end of last year.

South Korea city to build a 10 MW fuel cell power plant

Korea Western Power Co has signed an agreement on 18th February with Gyeongsangnam-do, Guje City, Gyeongnam Energy to develop fuel cells in Guje City. The consortium is planning to build a 10 MW fuel cell power plant in Guje City. With 10 MW of fuel cell power, it will generate approximately 780,000 MWh annually, supplied to more than 24,000 households. Western Power will be responsible for the development and installation, and operation of fuel cell projects, and Gyeongnam-do and Guje City shall provide for the administration of the necessary permits for fuel cell power generation projects.

Steelmakers consider GW electrolyser for hydrogen-based DRI plant in France

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Toyota's Mirai makes a debut in Lancaster, California

The City of Lancaster has received the new 2021 "Mirai" Fuel Cell Electric Vehicle (FCEV) this month. Lex Heslin, a Senior Project Developer at Hitachi Zosen Inova, is currently working with the City of Lancaster to advance its plans to become the first Hydrogen City and expand the hydrogen electric vehicle market. He is also one of the first to receive Mirai in the city. Mirai, which means "future" in Japanese, is built on the rear-wheel-drive GA-L platform of the larger Lexus LS sedan. The fuel cell system has also been redesigned to offer more power delivered to the 20-inch alloy wheels.

Xebec completes acquisition of Inmatec

Xebec Adsorption Inc announced today closing the previously announced acquisition of Inmatec Gase Technologie GmbH & Co. KG, Inmatec GmbH and Inmatec Gas Technology FZC RAK. Inmatec is a leading manufacturer of on-site nitrogen and oxygen generators. Among other benefits, the acquisition is expected to expand it in Europe and gain entry into the German hydrogen and renewable natural gas markets. Inmatec has a portfolio of products that complements its other gas generation products in hydrogen and renewable natural gas.