

Beijing Winter Olympics torch to use hydrogen as a fuel

The 2022 Winter Olympics (4th February 2022- 20th February 2022), commonly known as Beijing 2022, will use hydrogen in the torch to make sure that the torch works at a low temperature.

Covestro and NPRC plan to use hydrogen-powered barges by 2024

Covestro and Nederlandse Particuliere Rijnvaart-Centrale Cooperative (NPRC) plan to convert the salt transport fleet on the Rhine to hydrogen-powered ships. The aim is to establish a climate-neutral transport route on the Rhine-Alpine corridor, contributing to the implementation of the European "Green Deal". The first two zero-emission ships are set to operate between the Netherlands and Covestro's three Lower Rhine sites by 2024. The project is part of the RH2INE Initiative (Rhine Hydrogen Integration Network of Excellence) of the North Rhine-Westphalia Ministry of Economic Affairs and the Dutch province of South Holland.

Fuel-Cell truck startup Hyzon agrees to merge with Decarbonization Plus SPAC

Hyzon Motors Inc., a fuel cell truck startup, has agreed to go public via a merger with Decarbonization Plus Acquisition Corp, Bloomberg reported. The special purpose acquisition company has held discussions about raising new equity to support the transaction that values the combined entity more than \$2 billion. A deal could be announced within the next week.

HPQ and Apollon renew silicon materials agreement for hydrogen

HPQ Silicon Resources Inc. renewed its agreement with Apollon Solar SAS to continue developing nanoscale and porous silicon materials for energy storage, hydrogen production and high value-added applications. The aim is to produce nanoscale silicon materials at low cost using HPQ's PUREVAP™ Nano Silicon Reactor. Apollon Solar has developed expertise in the production of hydrogen by hydrolysis by creating a reaction in water with porous silicon nanopowders to release large quantities of hydrogen.

Linde and Hyosung partner to develop Asia largest hydrogen facility

Linde partnered with Korea's Hyosung Corporation (Hyosung), to build, own and operate extensive new liquid hydrogen infrastructure in South Korea. This robust hydrogen network will support the country's ambitious decarbonisation agenda to achieve net-zero emissions by 2050. Linde will build and operate Asia's largest liquid hydrogen facility. With a capacity of over 30 tonnes per day, the facility will process enough hydrogen to fuel 100,000 cars and save up to 130,000 tonnes of carbon dioxide tailpipe emissions each year. The first phase of the project is expected to start operations in 2023.

Nikola's Antonio Ruiz to lead global standardisation project for hydrogen fuelling technologies

Nikola's Director of Fuel Cell Vehicle Code and Standards Antonio Ruiz is appointed to lead three-year hydrogen fuelling global standardisation project for the International Standardization Organization's Technical Committee 197 (ISO/TC 197). The committee focuses on the standardisation of systems and devices for the production, storage, transport, measurement and use of hydrogen. It consists of hydrogen and fuel-cell technology experts representing member countries, hydrogen industry and stakeholders throughout the Americas, Asia, Australia and Europe.

Rosatom and Rosneft repositioning for hydrogen

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The first Solaris hydrogen-powered bus delivered to RVK

Rheinisch-Bergisches Kreis (RVK) placed an order of 15 fuel cell buses in March 2020. The first Solaris Urbino 12 hydrogen bus has now been delivered to RVK and is ready for a testing phase. The remaining 14 buses will be delivered between July 2021 and December 2021.

The 15 Solaris buses were acquired as part of the EU project JIVE 2, and through the "Fuel Cells and Hydrogen Joint Undertaking" (FCH JU), the Federal Ministry of Transport and Digital Infrastructure (BMVI) via the NIP2 program and the state's Ministry of Transport NRW funded.

The University of Birmingham and GKN Aerospace for aircraft hydrogen propulsion system

The University of Birmingham is a partner in a ground-breaking £54 million UK collaboration programme, H2GEAR, led by GKN Aerospace, to develop its first hydrogen propulsion system sub-regional aircraft. It will first focus on significantly improving sub-regional aircraft hydrogen-powered performance. The programme is supported by £27 million of ATI (Aerospace Technology Institute) funding, matched by GKN Aerospace and its industrial partners.