

Cummins fuel cells powering North America's first commercial zero-emission ferry

America's first commercial hydrogen fuel cell-powered, zero-emissions ferry (ZEF). The 70-foot, 75 passengers high-speed ZEF will be the flagship for a planned future fuel-cell-powered fleet, transporting commuters around the bay of San Francisco, California, US. It will also demonstrate and test the potential of commercialization of fuel-cell-powered marine vessels to the global maritime industry. With a powertrain designed by Golden Gate Zero Emission Marine, the Sea Change is powered by Cummins' 360kW fuel cell and can reach 22 knots. The fuel cells are supplied with hydrogen from storage tanks creating electricity to run the electric motors and turn the vessels propellers, generating the ferry's movement. With the ZEF only producing water and electricity as a by-product, it's 100% emissions-free.

Egypt's Sisi and Belgian companies discuss green hydrogen

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Element Two wants to build 800 hydrogen pumps in the UK

Element Two, a UK start-up, wants to deploy over 800 pumps onto the UK network by 2027 and 2000 by 2030. Sir Vince Cable, a former Chief Economist for Shell, is now throwing his support behind the move towards hydrogen and Element 2 Ltd, supporting the firm in its aspirations to become the UK's leading provider of hydrogen and hydrogen led infrastructure.

EMEC to explore floating wind & hydrogen collaboration in Scotland and France

EMEC will partner with French engineering firm INNOSEA and London-based Renewables Consulting Group (RCG) to carry out research to understand the technical status of floating wind and hydrogen in Scotland and France and identify ways that collaboration can be encouraged to address challenges of mutual interest. Towards this aim, the project consortium will evaluate the technical status of the floating wind and hydrogen production components and systems under development, accounting for the impacts of the policy context and innovation programme landscape in the two nations. The project findings will be published in a final report in summer 2021 ahead of COP26 which is set to take place in Glasgow in November 2021.

Everfuel' HySynergy uses Howden hydrogen compression technology

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Naturgy to build 38 hydrogen refuelling stations in Spain by 2025

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Nikkiso Clean Energy & Industrial Gases Group (CE&IG) acquires IP to manufacture electric mechanical actuators

Nikkiso Cryogenic Industries' Clean Energy & Industrial Gases Group (CE&IG), a subsidiary of Nikkiso Co., Ltd (Japan), announces their Pump Unit has acquired the intellectual property (IP) to manufacture and assemble electric-mechanical actuators (EMA) and the associated control panels. CE&IG's Pump Unit's EMA actuated pumps have been in various phases of testing for the last four years including actual operation in a prototype hydrogen fueling station. The EMA actuated reciprocating pump is immediately available for hydrogen applications that require up to 900 Barg discharge pressure. High-pressure LNG fuel supply pumps for marine industry applications will be available in the near future. With the IP acquisition, CE&IG's Pump Unit will manufacture and assemble the EMAs at its Nikkiso ACD factory in Santa Ana, California.

LGIM launches first pure Hydrogen Economy ETF in Europe

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Mazda becomes the first automaker to join the eFuel Alliance

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Spain's first high-pressure refuelling station inaugurated

Spain has opened its first high-pressure refuelling station under an initiative of Enagás and Toyota among others. The station will be used for refuelling the fleet of 12 Toyota Mirais distributed among the partner companies. It is located in Madrid and operates with a pressure of 700 bar. The hydrogen supplied to the refuelling station is green hydrogen with the supply capacity of 10kg/day.