

AES set near and long term goals signing MoU for green hydrogen plant

AES Corporation sets targets, including increasing renewables growth target by 40% to 3 to 4 GW of long-term PPAs per year and accelerating goal to reduce coal generation to below 10% by 2025 on a proforma basis, five years earlier than the prior expectation. AES Gener signed a Memorandum of Understanding in February 2021 with an established international hydrogen producer to conduct a feasibility study for the first large green hydrogen-based ammonia project in Chile. This project has the potential to require more than 800 MW of new renewable energy supply.

Air Liquide to modernise Kazak hydrogen plant

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ArcelorMittal Spanish steel plant starts grey hydrogen injections

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Brazilian ports cities arming their energy portfolio with hydrogen

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ExxonMobil long term plan includes low-carbon hydrogen

ExxonMobil outlined its plans through 2025 to grow long-term shareholder value in a lower carbon future. Darren Woods, chairman and CEO, said, "looking ahead, we are working to reduce our emissions and develop solutions, such as carbon capture and low-carbon hydrogen, needed to de-carbonise the highest emitting sectors of the economy." ExxonMobil has an equity share in about one-fifth of global CO2 capture capacity and has captured approximately 40% of all the captured anthropogenic CO2 in the world. ExxonMobil also produces about 1.3 million tonnes of hydrogen/ year and is developing technology that can significantly lower CCS and low-carbon hydrogen costs.

Final performance checks are nearing completion on fuel cell-electric terminal tractors

Final performance checks are nearing completion on fuel cell-electric terminal tractors, also called a yard truck. GTI and partners have been designing and assembling the tractors in a project called Zero Emissions for California Ports (ZECAP) for 16 months. The hydrogen fueling equipment is in final assembly and slated for installation this spring, along with the delivery of trucks. TraPac will operate two fuel cell electric yard trucks for 12 months. Other partners include BAE Systems, Ballard Power Systems Frontier Energy and ZEN Clean Energy Solutions; whereas, the California Air Resources Board (CARB) funded the project through a US\$ 11 million grant.

Green Hydrogen Systems completes its new production facility

Green Hydrogen Systems (GHS) has completed its new production facility near Kolding in Denmark. The new 150 MW capacity factory is fully optimised for the manufacturing process with advanced testing facilities for full-scale tests of electrolysers and containers. The company plans to expand the plant to produce electrolysers with 1,000 MW capacity a year.

Holyhead hydrogen hub

The UK government will provide £4.8 million, subject to business case, to support the development of a hydrogen hub in Holyhead which will pilot the creation of hydrogen from renewable energy and its use as a zero emission fuel in HGVs. This could support up to 500 jobs.

Hydrogen to be used to decarbonise steel: Japan Steel Federation

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Hydrogenious builds mega Liquid Organic Hydrogen Carrier (LOHC) storage in Germany

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Salzgitter receives conformity from TÜV SÜD for green steel

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Startup Sylfen to use Akka big data platform

Sylfen develops integrated solutions that help building owners to make a successful energy transition. It has developed modular equipment that can be integrated into any building using hydrogen technology hybridised with batteries. This system allows storing surplus renewable electricity by charging batteries and producing green hydrogen, and supplying the building with electricity and heat from locally produced stored energy (batteries, hydrogen) or natural gas (cogeneration). Akka's big data platform manages the entire data processing chain, collects heterogeneous data from Sylfen, and facilitates data visualisation and mining.

The world largest HBI plant considers hydrogen as a reducing agent

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