



Greensand CCS offers route to decarbonise fossil power

INEOS Energy, together with Harbour Energy and Denmark's Nord-søfonden, have brought Europe's first large-scale carbon capture and storage (CCS) project into commercial operation. The site at Greensand will initially store up to 400,000 tonnes of CO₂ a year in a depleted North Sea oil field, with plans to scale to 4–8 million tonnes annually by 2030.

Greensand's first-phase economics rest on a compact value chain: biogenic CO is liquefied, trucked to a new terminal at Esbjerg and injected about 1,800 metres below the seabed in the Nini West reservoir. Permit and funding documents reference roughly 300,000 tonnes a year over eight years, or about 2.4 million tonnes in total.

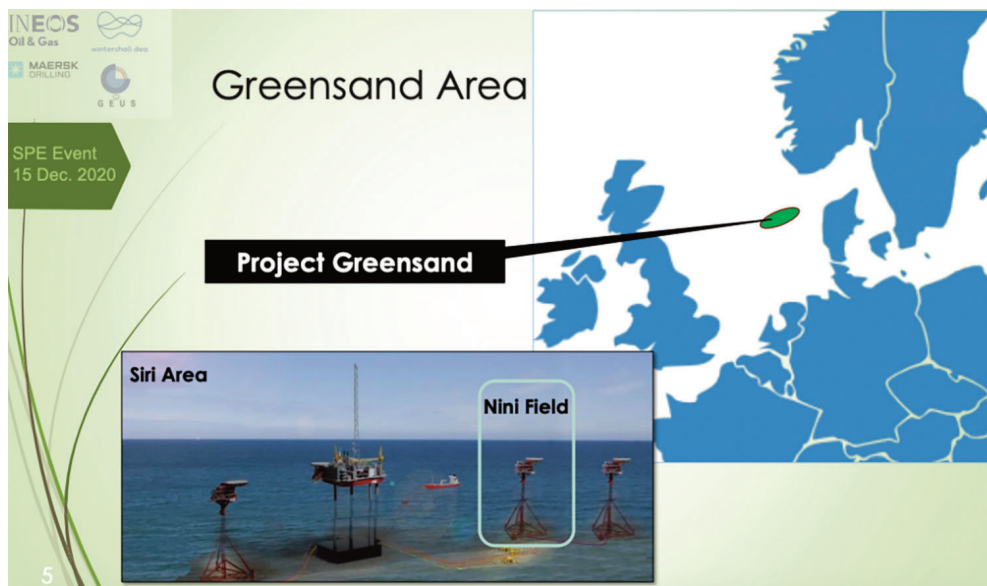
Although first-phase volumes are modest, Greensand creates a potential route to decarbonise dispatchable generation in Denmark without exiting gas entirely. At scale, Greensand-type storage could account for a meaningful slice of the EU's 50 million

tonne annual injection target by 2030.

Tolling service

Project partners present Greensand's commercial model as a tolling service: emitters pay a fee for transport and permanent storage, while biogenic customers can additionally monetise carbon-removal

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Glencore signs CIF LNG deal to fuel Suntien's Hebei power fleet

Swiss trader Glencore has agreed a 10-year, CIF-supplied LNG contract with S&T International, the LNG procurement arm of China Suntien Green Energy, to underpin gas-fired power generation and industrial supply in Hebei province from 2027.

S&T International, listed in Hong Kong, is the designated import vehicle for the Tangshan LNG terminal.

Under the deal, Glencore will deliver an undisclosed volume to China's Tangshan LNG terminal on a CIF basis, with freight and insurance bundled into the price and risk transferring at the load port. The structure gives



PetroChina's Tangshan LNG terminal

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Fossil fuel users, notably energy-intensive industries and electric power generators, will have the chance to reduce their exposure to EU ETS allowances and national car-

bon taxes.

INEOS has previously put total investment for this initial commercial chain at more than \$150 million, underpinned by a

€41.04 million grant from the EU Innovation Fund and additional Danish public support, including around DKK 197 million (about €26 million) in state funding. ■

Trump-Xi summit: energy trade sits beneath AI headline

Chinese President Xi Jinping has arrived in Washington for a state visit in a bid to stabilise a relationship strained by tariffs and technology controls. LNG markets eagerly await whether Xi will agree to remove the 15% tariff on US LNG imports to China, which currently renders such imports uneconomic.

The 15% retaliatory duty, imposed by Beijing in February 2025 after US tariffs on Chinese goods, effectively halted direct US-China LNG trade. Since then, Chinese buyers have fulfilled long-term contracts by diverting US cargoes to Europe and Asia – rather than paying the levy at home, leaving the world's largest energy buyer locked in a trade impasse.

American and Chinese negotiators are now fine-tuning a plan to reduce or eliminate the tariff as part of a broader package of energy and agriculture agreements. Details are expected to be announced during Xi's visit this week.

The potential relief on US LNG exports is being weighed alongside a framework

under which Washington and Beijing would each cut tariffs on about \$30 billion of goods and extend a bilateral tariff truce due to expire on 10 November. To pave the way for these moves, the Chinese Vice Premier He Lifeng had already travelled to the US for consultations aimed at easing retaliatory tariffs.

For global LNG markets, removing the tariff would reroute trade flows, tighten US Gulf Coast export balances and support freight rates, narrowing Atlantic-Pacific arbitrage spreads, Rystad Energy commented.

A resumption of direct Chinese purchases would also improve revenue visibility for US exporters such as Venture Global, which last week signed a 20-year,

0.5 mtpa offtake with China Gas Holdings. Though the deal is largely symbolic – at under 1% of China's annual LNG imports – it gives Washington a visible win on energy exports ahead of the meeting.

China has been the target of a charm offensive by both American and Qatari LNG exporters – yet politics, rather than actual Chinese demand, is driving shipments. Four LNGC loaded at Sabine Pass and Plaquemines LNG terminals made the headlines earlier this year, as their voyages to China coincided with Trump's state visit to Beijing from May 13-15. However, all four ships were diverted last minute – a development that came as little surprise to market observers, given that China's limited need and appetite for actively importing LNG, regardless of origin. After spending some time in 'bonded storage' the four cargoes were diverted away from China and sold to Japanese and Korean buyers at a premium. ■



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Continued from page 1

Suntien predictable landed costs and avoids the need to charter additional tonnage, while allowing Glencore to optimise shipping and capture margin on the freight leg.

CIF deal locks in delivered-price LNG for Hebei power gen

By securing a steady stream of CIF-delivered LNG through Tangshan, Suntien can better match fuel supply to its gas-fired generation schedule, support coal-to-gas switching in Hebei and manage exposure to volatile spot LNG prices during winter peaks.

Chinese buyers typically price CIF LNG imports on a hybrid formula linked to Brent

crude and/or Asian spot markers such as the Japan Korea Marker (JKM), with long-term contracts often including slope coefficients in the 10–15% range and limited destination flexibility.

Though Suntien has not disclosed the pricing formula for the Glencore SPA, the CIF structure and 10-year tenor suggest a Brent/JKM-linked price with some oil indexation, consistent with other Chinese utility deals signed in 2025–2026.

The Glencore volumes will complement Suntien's existing 15-year, 1 mtpa supply from QatarEnergy, diversifying its portfolio beyond Middle Eastern cargoes. ■

India's urea build-out crowds out gas-fired power

The Indian government's plan to add about 10 million tons per annum (mtpa) of new urea capacity by 2030 is set to lock in an extra 12–15 billion cubic metres per year (bcm/year) of natural gas demand, tightening feedstock availability for power generators and reinforcing the sector's shift away from baseload gas-fired generation.

The Ministry of Petroleum and Natural Gas has already amended its gas allocation framework to prioritise city-gas distribution and fertilizer production over power generation, codifying a hierarchy that has kept gas-plant load factors in the low double digits for much of the past decade.

Gas-fired capacity now accounts for just 4% of India's generation mix, down from 10% fifteen years ago, as plants are increasingly relegated to peaking and balancing roles amid scarce domestic gas and volatile LNG prices.

Power generators compete with urea producers for gas feedstock

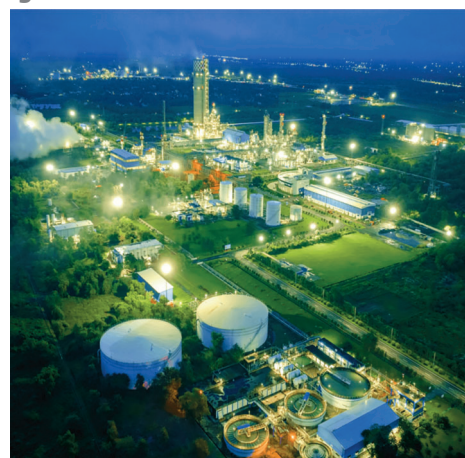
Under the National Investment Policy for Urea (NIPU-2026), approved in July, New Delhi is backing 8–9 new gas-based plants including Reliance Industries' 2.8 mtpa Jamnagar unit and Matix Fertilisers' Panagarh project, both due onstream in 2030. The projected urea plants have assured returns of 12–16% to underwrite long-term gas supply and offtake.

Each mtpa of gas-based urea typically consumes 1.2–1.5 mmscmd of natural gas for ammonia synthesis and plant utilities, plus dedicated steam and power generation sized to run continuously at design rates. With India's domestic gas output stagnant and LNG imports already covering more than half of national needs, the new urea trains could raise fertilizer sector gas consumption by roughly a quarter of current gas-fired power use by 2030.

Aiming for urea self-sufficiency from 2030

The rating agency ICRA estimates NIPU-2026 will attract 80,000–90,000 crore Rupees of Capex and materially improve urea self-sufficiency from 2030–31, assuming a 3.5–4-year commissioning window from final investment decisions.

In parallel, a 37,500 crore Rupee coal-gasification scheme is supporting projects such as Talcher and Adani Enterprises' three urea bids, targeting 75 mtpa of gasification capacity by 2030 to further cut LNG and urea imports. ■



Matix Fertilisers' Panagarh project

Ignitis secures US LNG, adds Henry Hub exposure

Lithuania's Ignitis has agreed to purchase U.S.-linked LNG from EQT under a long-term sales and purchase agreement (SPA) covering 10 cargoes annually from 2027 to 2036.

The deal marks Ignitis' first long-term SPA with a U.S. company and introduces Henry Hub-linked pricing into its gas procurement portfolio, supporting fuel supply diversification for the power generation sector.

While Ignitis has not disclosed the detailed pricing formula, the contract is understood to combine Henry Hub and European TTF indexation, with a greater weighting toward the U.S. benchmark, alongside liquefaction fees and shipping costs.

The dual-index structure gives Ignitis exposure to U.S. natural gas prices while maintaining a link to European market conditions, where the LNG will be consumed and potentially used for power generation. By increasing the share of Henry Hub-linked supply, the arrangement could help reduce the power sector's exposure to sharp increases in European gas prices, including potential TTF volatility during the winter of 2026/27 amid concerns over

European storage levels.

For Ignitis' power generation operations, the supply agreement provides greater visibility over long-term gas availability and procurement costs. The combination of U.S. gas pricing and European market indexation also offers a mechanism for balancing fuel costs against regional electricity and gas market conditions.

EQT, one of the largest U.S. natural gas producers, has expanded into LNG supply. The contracted gas will come from EQT's production in the Appalachian Basin and be liquefied at a U.S. Gulf Coast terminal, although the company has not specified the facility.

All 10 annual cargoes will be delivered to Lithuania's Klaipėda LNG terminal, which serves Lithuania and the wider Baltic regional market. The SPA follows Ignitis' launch of a tender for long-term LNG supplies on August 25, with EQT submitting the winning offer. ■

Korea's GS Energy sources term LNG

French major TotalEnergies and South Korea's GS Energy have signed a long-term LNG supply contract to help fuel GS Energy's gas-fired power plants. Contracted volumes and pricing terms were not disclosed.

The deal follows a GS Energy procurement tender in which the company reportedly sought up to 0.81 million tonnes per annum (mtpa) of LNG from 2028, rising to as much as 0.97 mtpa from 2029, according to market sources.

TotalEnergies said the agreement allows it to grow long-term outlets in South Korea, the world's third-largest LNG importer.

South Korean utilities have reduced LNG burn in the power sector as nuclear restarts and higher coal generation displace gas, while Qatari LNG deliveries more than halved in the first half of 2026 to 1.44 million tonnes from 3.80 million tonnes a year earlier.

As a result, LNG's share in Korean power generation fell to about 22–24% in the first half of 2026, down from roughly 26–28% in the prior-year period, with gas-fired generation down 3.9% year on year in the March–July period.

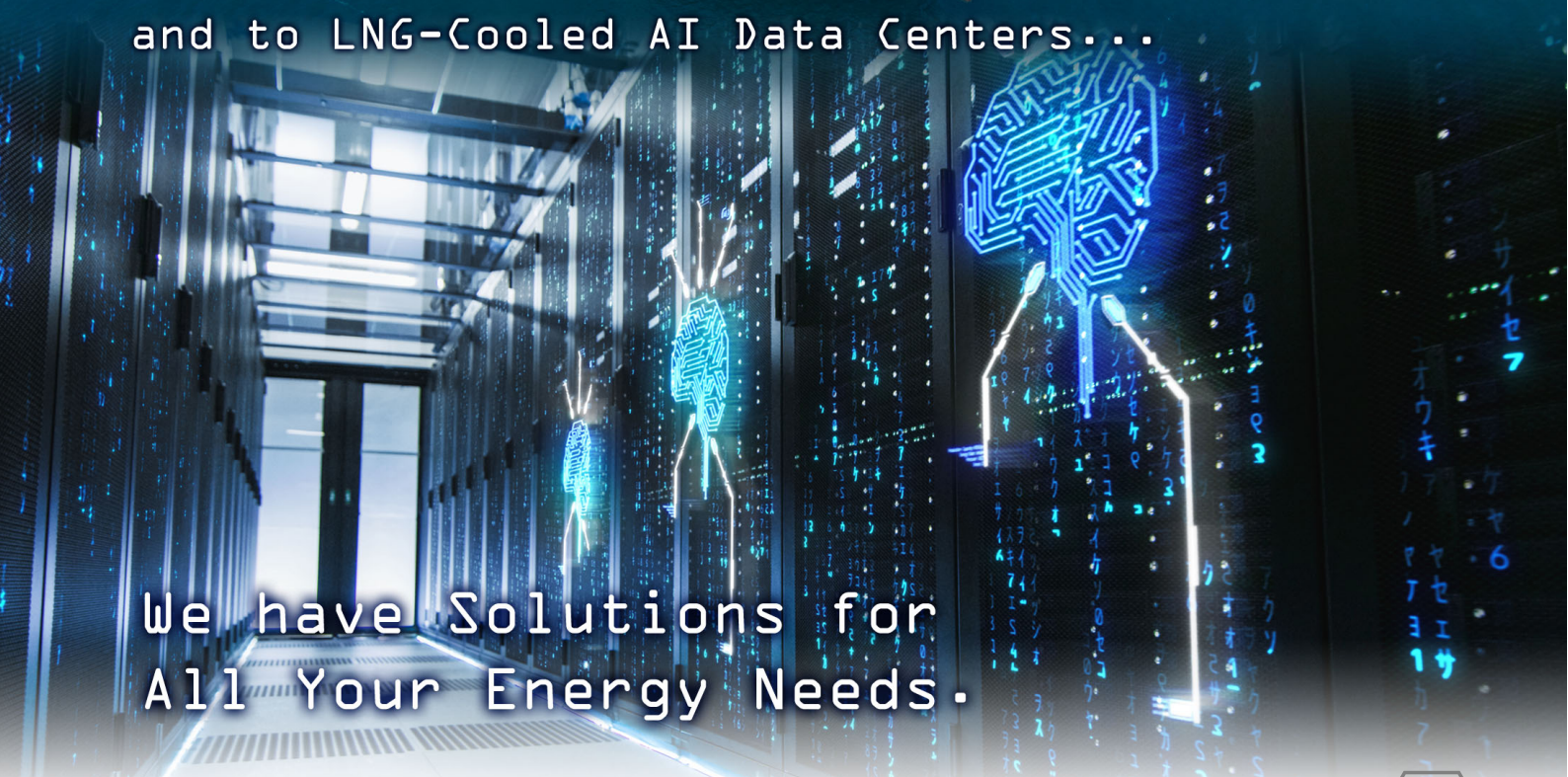
Against this backdrop, long-term LNG contracts such as the TotalEnergies–GS Energy SPA help secure predictable fuel costs and volumes for gas-fired power assets, even as the broader system temporarily favours coal and nuclear to meet demand and manage price risk. ■



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EPC awarded for Colombian LNG terminal, serving power sector

China's Jereh Group has been awarded an EPC contract to build an LNG import terminal in Colombia, designated primarily to serve the country's electric power sector.

Construction for the Amazónica LNG project, also known as LNG Palermo, will take 18-21 months, with start of commercial operations slated for the first half of 2028.



Render of Amazónica LNG's Palermo terminal

The terminal will be situated at the town of Palermo, on the eastern bank of the Magdalena River, near Colombia's Caribbean coast. Amazónica LNG specified the regasified natural gas will primarily be supplied to Colombia's electric power sector, and industrial self-generation units.

LNG Palermo is vital for Colombia's supply security since the Caribbean state is running a structural gas deficit, estimated to require around 300 million cubic feet per day (mcf/d) of additional gas or import capacity from late 2026 as domestic production is insufficient to meet demand.

Terminal 'ready to build'

Amazónica LNG said the terminal's planned capacity would reach 200 mcf/d, equivalent to approximately 1.5 million tons per annum (mpta) with an option to raise capacity to 200 mcf/d.

The developer has described the project as "ready to build".

Privat investment in the project is estimated at about \$180 million, and the developer said it obtained environmental and port approvals and completed detailed engineering with Wood.

Vitol is contracted to supply up to 4 million tonnes of LNG over five years, starting in the second quarter of 2027, or later – dependent on project start-up. ■

INNIO, GEUS aim to start up 104 MW Texan power plant in 2027

Jenbach-based INNIO Group is working with Greenville Electric Utility System (GEUS) on a 104 MW engine-driven power plant in Texas. Construction began in early December, with commissioning scheduled for summer 2027.

The plant will be INNIO's largest US installation to date of its Jenbacher J920 Flextra gas engines. The project will deploy 11 engines, each rated at 9.5 MW, supported by modern cooling infrastructure and advanced emissions-aftertreatment systems, bringing total capacity to 104 MW.

The J920 Flextra is capable of reaching full load within two minutes, providing fast-start flexibility to balance intermittent renewable generation and cover peak loads.

The plant is expected to support a grid with peak demand exceeding 125 MW.

GEUS serves more than 17,200 customers in Greenville, Texas, and the surrounding area. The utility said the investment will enhance long-term grid reliability and cost control by providing rapid-response generation.



Jenbacher J624 gas engine

INNIO President and CEO Dr. Olaf Berlien highlighted the plant's focus on flexibility and sustainability, while GEUS General Manager Bill Shepherd stressed the fast-ramp plant will help ensure the utility can respond quickly to peak demand as the community continues to grow. ■

GE extends lifetime of five 9F turbine powered plants in Egypt

GE Vernova has been contracted by the Egyptian Electricity Holding Company (EEHC) to extend the lifetime of five 9F gas turbines at the Kureimat, Nubaria, and Cairo North power plants in Egypt.

The gas turbine rotor is a core component of the power plant that requires scheduled maintenance. To extend and improve the overall rotor lifecycle, GE Vernova will provide Rotor Life Extension (RLE) solutions which will extend the plant's operating lives by an estimate 13 to 15 years.

The relevant works and services will be carried out between 2028 and 2035.

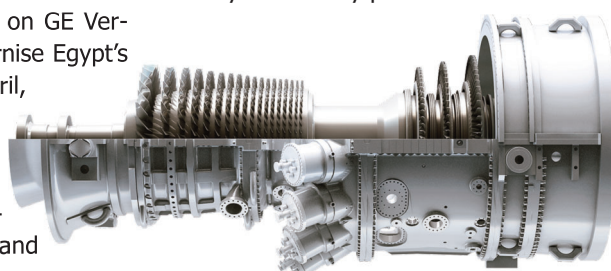
"Extending the life of these gas turbines across our generation companies is expected to support grid stability and the continued availability of dispatchable power, while helping us increase the value of exist-

ing infrastructure and avoid premature, capital-intensive replacement," said Eng. Mahmoud Al-Naqeeb, EEHC board member for Electricity Production & Companies Affairs.

The latest order win builds on GE Vernova's ongoing effort to modernise Egypt's power generation fleet. This April, the company secured an order from MDEPC to help modernise the Banha and Nubaria power stations. Works will include Advanced Gas Path upgrades and multiyear services agreements.

In Egypt, thermal power generation —

primarily driven by combined-cycle gas turbines — continues to serve as the critical backbone of the nation's grid, currently accounting for approximately 80% of the country's electricity production. ■



Render of 9F.03-9F.04 turbine

Ansaldo completes AEM electrolyser stacks production line

Ansaldo Green Tech has completed a new high-volume production line for anion exchange membrane (AEM) electrolyser stacks at its Genoa facility in Italy, with an annual production capacity of more than 300 MW.

The Italian manufacturer said the facility represents a step towards industrial-scale manufacturing of its AEM electrolyser technology.

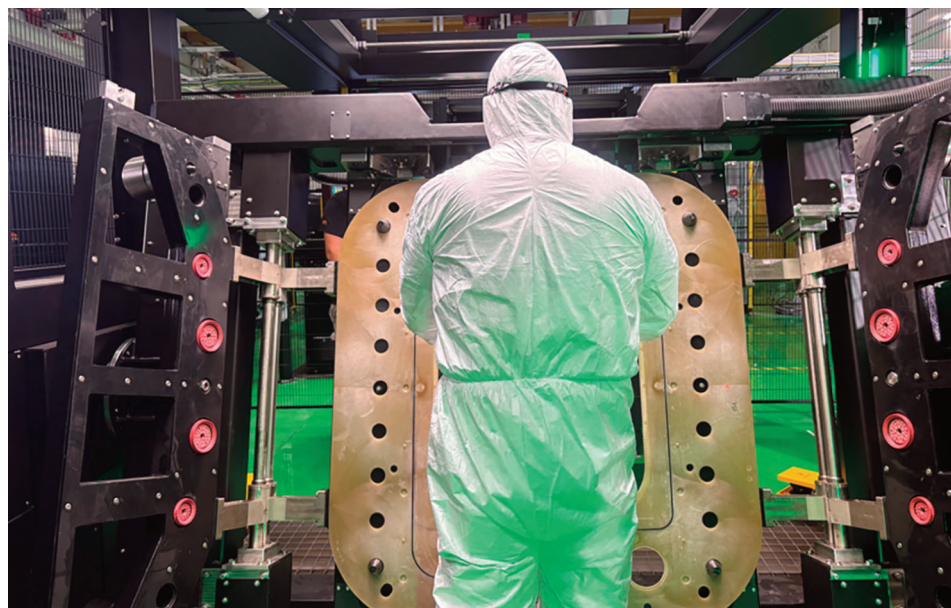
The production line was developed under the "Turnkey Electrochemical Plants for H₂ Production" project, which is supported by Italy's National Recovery and Resilience Plan (PNRR) and the European Important Projects of Common European Interest (IPCEI) Hydrogen programme. The wider initiative is backed by more than €300 million in public funding for the development and industrial production of AEM electrolysers.

Ansaldo Green Tech said its proprietary AEM electrolysers are designed to operate with renewable power sources while producing pressurised hydrogen.

Ansaldo's AEM stacks use a modular architecture, including a 1 MW containerised system with a stated production capacity of about 500 kg of hydrogen per day, as well as multi-megawatt systems aimed at large-scale industrial applications.

"The completion of our high-volume manufacturing line demonstrates our commitment to translate innovation into industrial capability," said Vittorio Olcese, CEO of Ansaldo Green Tech. "This achievement provides the foundation for scaling up electrolyser production developed in Italy and strengthens our contribution to the growth of a competitive European hydrogen industry."

Commissioning and optimisation work on the production line will continue over the coming months. ■



NEWS NUDGES

Emerson builds automation service center in Qatar

Emerson today announced plans to build its first certified flow calibration lab and an associated automation solution service center in Qatar's Umm Alhoul Free Zone. The new 3,500-square-metre facility will expand Emerson's local capabilities for customers across the Middle East and Africa.

MOL inaugurates solar & BESS

MOL Group has inaugurated a new 37.4 MWp solar park and an associated electricity storage system with 20 MW of nominal power and 40 MWh of storage capacity at its Algyő site in Hungary. The hybrid power unit will strengthen the energy independence of MOL's own operations at Algyő and reduce operating costs by replacing electricity purchased from the grid.

GE delivers GIS substation at Chesterfield

GE Vernova is fast-tracking delivery of new 400 kV Gas-Insulated Switchgear (GIS) substation at Chesterfield, UK. The new substation is part of National Grid's Brinsworth-to-Chesterfield and Chesterfield-to-High Marnham project, with the upgrade using SF₆-free technology to strengthen grid resilience across England and Wales in generations.

China-made electrolysers spur investment in ammonia

Chinese electrolyser manufacturers are expected to capture a third of the global market outside North America and Europe by the end of 2025. These electrolysers are critical for producing green hydrogen and will lower the cost of production, giving China a competitive edge.

But addressing the mismatch between FIDs and offtake contracts will be crucial to scaling hydrogen for power generation, Wood Mackenzie pointed out.

Over 2.5 mtpa of FID volume is currently uncontracted, particularly in blue hy-

drogen projects in the U.S. This mismatch creates risks of cancellations.

An acceleration of offtake agreements, especially in Japan, South Korea, and Europe, will help address this gap, analysts noted. Securing these agreements is deemed "critical" to ensuring the continued growth of hydrogen for electricity generation.

Investments shift to low-carbon NH₃

Low-carbon ammonia (NH₃), which plays a significant role in hydrogen transporta-

tion for power generation, is expected to see an \$8 billion investment surge in 2025, doubling from the previous year. This growth is driven by an increasing demand for ammonia in sectors like maritime and aviation, which are looking for hydrogen-based solutions.

Investments will focus on storage terminals and ammonia carriers, and analysts anticipate this will position ammonia as a key component in the hydrogen value chain, essential for meeting the growing global demand for low-carbon power. ■

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