



Taiwan's CPC to ramp up LNG imports via new terminal

CPC Corp, Taiwan's state-owned energy company, is preparing to ramp up LNG procurement through a new regas terminal in the Guantang Industrial Area. By importing more natural gas, utilities comply with the government's policy to exit nuclear power by the end of this year.

The Guantang terminal, situated in the north of the island, will give CPC an additional option for importing LNG apart from its Taichung LNG terminal which is also being expanded.

The Taiwanese government wants to replace nuclear power with natural gas and renewables. To that end, the ratio of electricity generated from natural gas is meant to rise to 50%, the ministry of economic affairs said, specifying the mid-2025 as the deadline for the completion of the country's nuclear exit.



LNG tanker heading for Kaohsiung Port Source: CPC Corp

Taipower seeks to adhere to the government's Nuclear Free Homeland Policy and state-owned CPC Corp consequentially in-

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EGAS signs charter with Höegh to deploy FSRU in Egypt

Egyptian Natural Gas Holding Company (EGAS) has signed a 10-year charter with Höegh Evi to deploy a floating storage and regasification unit at Port of Sumed, starting from Q4-2026. The Höegh Gandria FSRU will offer up to 1,000 mmscf/day of LNG regas capacity, helping EGAS to stabilise gas supply for power generation.

To meet the tight project timeline, Höegh Evi will immediately start to convert the Höegh Gandria — acquired in February 2023 — from an LNG carrier into a fully operational FSRU. Once put in operation in Egypt, it will enhance EGAS' import flexibility as the country increasingly relies on gas-fired power to balance the solar PV build-out.

Separately, the FSRU Höegh Galleon proceeds with its operations at Port Kembla as scheduled. The Norwegian shipping major Höegh had been throwing a lifeline to Egypt by agreeing to deploy a



Höegh Evi to convert Höegh Gandria for FSRU role in Egypt

floating LNG terminal, chartered to Australia, beforehand to the Arab nation to pre-empt fuel

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creased LNG imports since early summer last year, and recently got approval to build a new regas terminal at Kaohsiung.

Unit 1 of Taipower's last fully functional nuclear power plant was shuttered on July 27, 2024 and the utility currently prepares to decommission Unit 2 in late August or September 2025. This will complete Taiwan's nuclear exit.

Repowered Talin plant to replace nuclear capacity

By that time, however, the country will need to import substantially more LNG as gas-fueled

power station will need to be dispatched for mid-merit or even partly as a baseload power source. Repowering the Talin coal-fired power units to cleaner-burning natural gas is under consideration.

Not only would this boost demand for LNG, combusting gas instead of thermal coal would also produce around 95,000 tonnes less sulphur oxide, 50,000 tonnes less nitrogen oxide, and 6.26 million tonnes less carbon dioxide annually.

CPC confirmed it will supply regasified LNG to the repowered Talin power plant at Kaohsiung Port. But the company was quick

to add it would also supply gas to power industries, homes, other end-users, and source gas for storage to meet seasonal demand swings.

Plans to increase Taiwan's natural gas reserves from the current 7-day storage level to 14, have already been announced by the country's Ministry of Economics in October last year. Greater gas storage requirements further add to rising demand for imported LNG. All these factors make the state gas buyer CPC Corp keep a vigilant eye on offerings from long-term LNG deliveries as well as on the spot market. ■

Singapore GasCo to centralise LNG procurement for power gen

The Energy Market Authority (EMA) of Singapore has formed a new unit, named Singapore GasCo, that will centralise the procurement of LNG for the city-state's power generation sector. About 95% of Singapore's power stations are running on natural gas, some of them can already co-fire hydrogen.

State-owned Singapore GasCo will be empowered to buy natural gas and LNG at large and enter into longer-term contracts with the aim of achieving economies of scale. In a statement, EMA said the new entity will procure natural gas from di-

verse sources and "enter into longer term gas contracts" with a view to providing "more stable supply and prices."

"Singapore GasCo will play a key role to support a secure, resilient and cost-competitive power system as we navigate the energy transition towards a more sus-

tainable future," EMA said in a statement.

Alan Heng has been appointed as Singapore GasCo's CEO. His 37 years of industry experience in the energy sector, includes a tenure as Group CEO of Pavilion Energy until March 2025, and prior to this varies positions at ExxonMobil. ■



View of EMA headquarters in Singapore

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shortages and a repeat of rolling blackouts like last summer.

Starting from last June, EGAS has been enabled to sub-charter the FSRU Höegh Galleon for service in the Gulf of Suez port of Ain Sokhna for 20 months. Prior to this accord, Egypt had to import LNG indirectly via Jordan's Aqaba terminal.

After its stint in Egypt, the FSRU Höegh Galleon will be deployed – as contractually agreed – at Australian Industrial Energy (AIE)'s LNG terminal which is currently under construction. Ultimately, the FSRU is still destined for Port Kembla in the Illawarra region of New South Wales, where it will serve as Australia's first regas terminal. ■

Maiden LNG cargo arrives at KARMOL Powership in Senegal

A maiden LNG cargo has arrived at the 125,000 cubic meter KARMOL LNGT Powership Africa, moored off the Senegalese capital Dakar since June 2021. Arrival of the first cargo – onboard a TotalEnergies-chartered tanker – helps the African nation to convert several power stations from oil to natural gas.

KARMOL, a joint venture between Karpowership and Mitsui OSK Lines, is for long active in Senegal: the Turkish company is already operating a 235 MW powership since August 2019, which covers around 15% of the country's electricity needs.

Technically speaking, KARMOL's technique of regasifying LNG onboard a specially designed FSRU for direct use in a Karpowership helps accelerate the roll-out of LNG-to-Power projects in countries with no domestic gas resources.

Going forward, the Turkish-Japanese joint venture wants to convert its entire fleet of Powerships to LNG. To that end, the



'Karmol LNGT Powership Africa'

JV already has another FSRU under construction which will be released shortly and is destined to be deployed offshore Mozambique.

Gokhan Kocak, KARMOL board member, said the company has a "bold ambition" to offer LNG to Power across the world and especially within Africa. "The usage of FSRUs mean we can unlock the benefits of clean and affordable electricity for millions of people, even where countries have no domestic gas production or infrastructure," he explained. ■

Bosowa and BK LNG accelerate Indonesia's coal-to-gas switch

Privately-held Bowowa Energy Group, an East Indonesia-based conglomerate, has forged a strategic partnership with BK LNG Solutions to accelerate Indonesia's clean energy transition. The two partners agreed to jointly develop floating storage units (FSRUs) for importing LNG to fuel gas-fired power plants, and distribute small-scale LNG via ISO tanks to remote and underserved regions.

The cooperation allows Bosowa to combine its domestic operational capabilities with BK LNG's international LNG expertise.

A key component of the partnership will be the re-powering of diesel-fuelled plants on remote island to run on natural gas. The initiative will not only help cut emissions but also improve electricity access and grid stability in remote and often underserved regions.

Pilot projects underway in East Indonesia

To that end, Bosowa and BK LNG want to deploy modular LNG regas units and develop a localized system of micro grids. Pilot projects are scheduled to launch in Eastern Indonesia towards the end of 2025, with plans to expand operations nationwide in the coming years.

By joining forces, Bosowa and BKLS aim to accelerate project execution. Muhammad Akram, Chief Operating Officer (COO) of Bosowa Energy Group said the partnership "not only enables us to diversify our energy portfolio with scalable LNG solutions, but also directly supports our mission to reduce emission to enhance energy reliability in underserved regions."

Henry Kim, President of Singapore-based BK LNG Solutions, highlighted the company's commitment to support Indonesia's clean energy transition: "As a specialist in

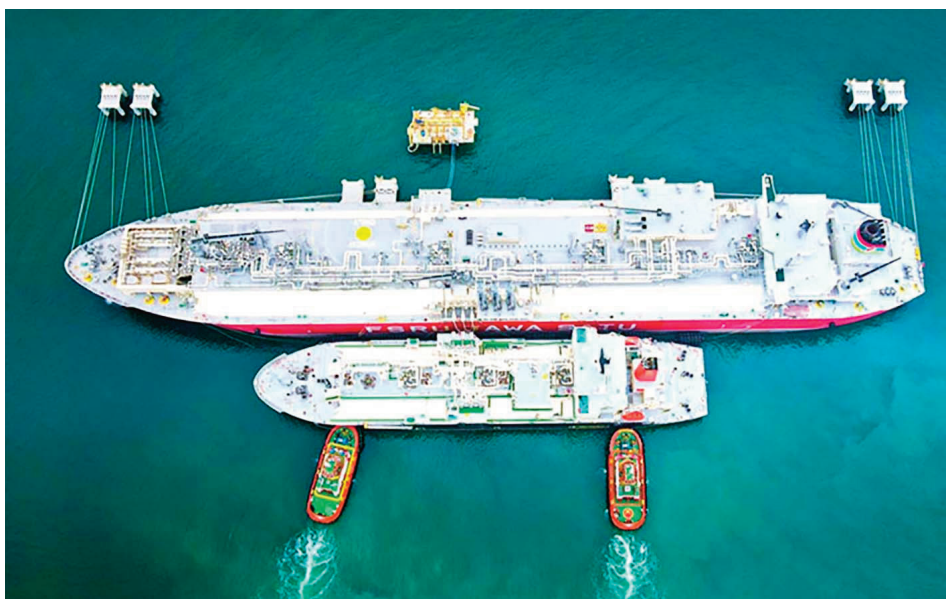
flexible LNG solutions (...) we are confident in our ability to deliver reliable and efficient natural gas solutions tailored to Indonesia's unique needs, which we believe are essential for a resilient energy transition," he said.

Rival FSRU onstream in West Java

The Japanese shipping major Mitsui O.S.K Lines (MOL) has already put an FSRU into commercial operation in early April. The floating LNG import units helps provide fuel to a power plant in West Java. The project

is one of Asia's first integrated gas-to-power project that involves an FSRU.

Development of the Jawa 1 gas-fired plant and project development was handled by PT Jawa Satu Regas (JSR), a jointly established company with PT Pertamina, Marubeni, and Sojitz Corp. Debt financing was arranged via the Japan Bank for International Cooperation, Asia Development Bank (ADB), Mizuho Bank, MUFG Bank, Oversea Chinese Banking Corpn, Crédit Agricole and Investment Bank, and Société Générale Bank & Trust. ■



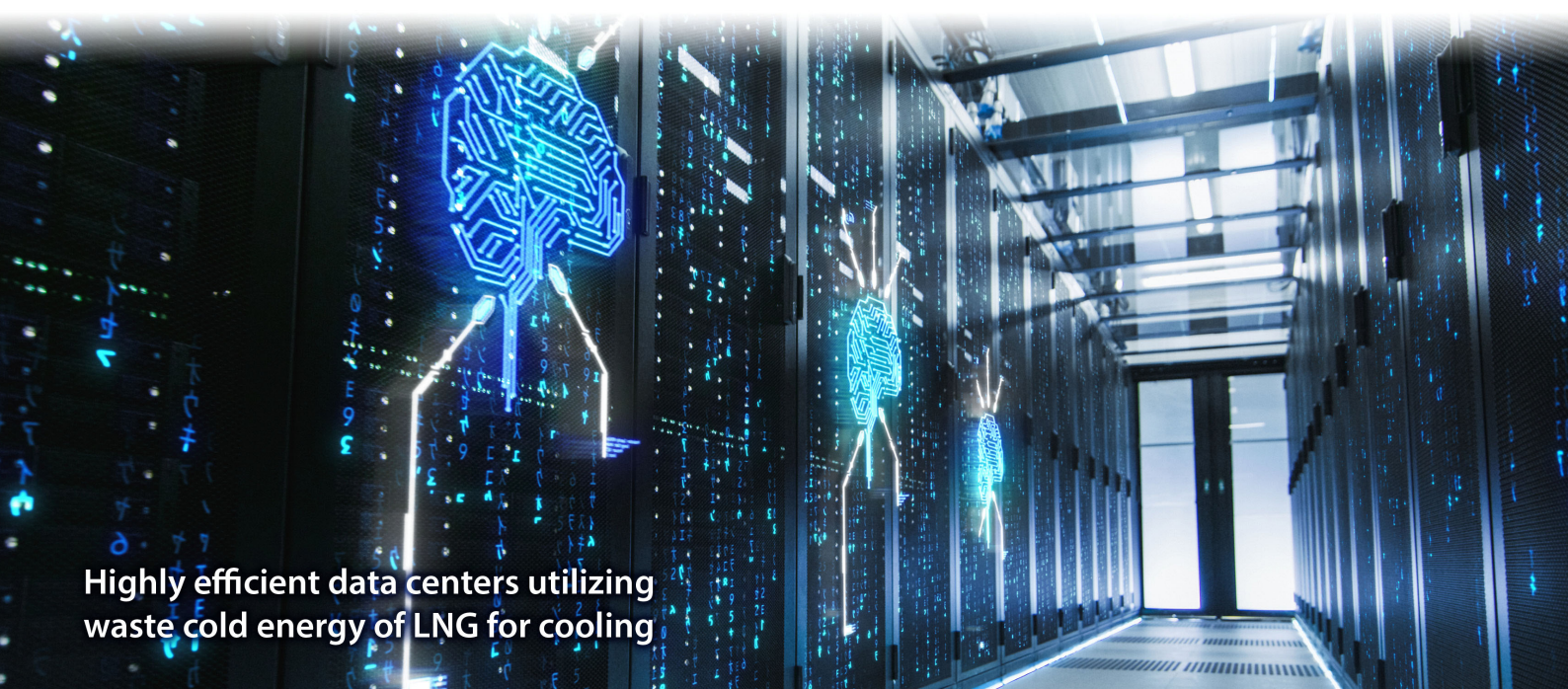
Ship-to-ship transfer at FSRU Jawa Satu

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AE94.3A turbines to power 1 GW plant in Al Dhafra, UAE

Four Ansaldo AE94.3A gas turbines will form the core of a new 1 GW power plant in the Al Dhafra region of the United Arab Emirates (UAE). Commissioned by TAQA, the flexible plant is due operational by May 2027 and is set to generate electricity alongside one of the world's largest photovoltaic park.

In addition to supplying the gas turbines and associated generators, Ansaldo Energia will oversee installation and commissioning activities and provide technical support for the plant in the years to come.

The AE94.3A turbine features high operational flexibility, reliability, and cost efficiency. Its dynamic response to grid demands makes it particularly well-suited to supporting the grid-integration of intermittent, non-dispatchable renewable energy sources, the Italian manufacturer said.

Over 120 units have been sold globally. With more than 5 million equivalent operating hours, the AE94.3A has seen a "surge in demand over the past two years," which according to Ansaldo, demonstrates its strong fit for utilities' evolving flexibility needs.

"We are proud to contribute to this important project in the UAE" said Stefano Gianatti, Vice President of Ansaldo's Thermal Power New Units. He called the collaboration with TAQA is the "crowning achievement of Ansaldo's decades-long presence in the country."

Abu Dhabi is home to Ansaldo Energia Gulf and the company's Middle East Service Hub, providing operational support to customers in the area and host one of the two centres of remote diagnostics. The IPS centre in the UAE works closely with its twin in Genoa, Italy, ensuring the continuous monitoring of turbines and generators installed in dozens of plants around the world. ■



Close-up of AE94.3A gas turbine

NEWS NUDGES

Revcoo launches new CO2 capture tech

French cleantech firm Revcoo, a French cleantech start-up, has developed a new technology to capture CO2 directly from factory chimneys. The company will launch Series A round to roll out its solution on a large scale, aiming for a turnover of €200 million by 2030.

Sembcorp signs S\$650m deal with Aster

Sembcorp has been contracted to provide gas, electricity and utility services to Aster Chemicals and Energy. The deal is worth at more than 650 million Singapore dollars (US\$500.23 million), with works focussing on Aster's refining and chemical facilities on Pulau Bukom and Jurong Island.

KARNO Module to be tested at Mesa's stationary power plant

Texan flexible power provider Hyliion has signed a letter of intent with Mesa Solutions to deploy its 200 kW KARNO Power Module at a commercial site for stationary gas-fired power generation. A follow-up project, with additional modules in 200 kW and 2 MW configurations, is planned at an oil and gas site using wellhead or flare gas.

Headquartered in Austin, Texas, Hyliion is initially targeting commercial and waste management industries with a locally deployable module which can offer peaking power as well as energy arbitrage opportunities. Beyond stationary power, Hyliion seeks to address mobile applications such as vehicles and marine.

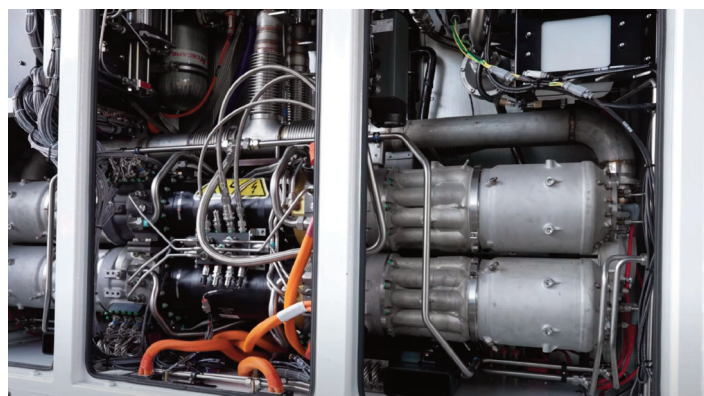
KARNO is a compact, fuel-flexible generator that has been designed for distributed power generation. The 200 kW genset is housed in a compact, stackable format. "The system aligns with our vision of delivering dependable, clean, on-site power," said Mesa CEO Scott Gromer.

Hyliion's cooperation with Mesa aims

demonstrate how the Power Module's efficiency, fuel flexibility, and scalability can support the latter's efforts to deliver reliable and lower-emission power solutions, said Thomas Healy, Hyliion founder and CEO.

The module is fuel agnostic and can run on 20 different fuels, ranging from natural gas and hydrogen to syngas and ammonia. The compact system is highly fuel efficient: Designed for up to 50% fuel-to-electric

(DC) efficiency – a benchmark that rivals the most advanced generators, the manufacturer pointed out. ■



View into Hyliion's KARNO Power Module



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Expansion of Zeeland gas plant to be complete mid-June

An expansion of Consumers Energy's 930 MW Zeeland Generating Station is underway and anticipated to be complete mid-June prior to the summer peak generation period. A new Advanced Gas Path (AGP) system will add 50 MW of dispatchable capacity along with 2.5% more fuel efficiency.

The AGP upgrade at the Zeeland plant is part of Consumers' Reliability Roadmap, aimed at enhancing grid resilience. The new AGP system is complemented by an Advanced Fuel System (AFS) to better control how fuel is mixed.

Norm Kapala, Consumers' vice president of generation operations called the expansion a "powerful step forward in our commitment to reliability."

"This is not just an investment in power generation — it's an investment in Michigan's future," he stressed. "We're building a stronger, smarter energy grid that protects our communities and supports our state's economic growth."

Consumers Energy is Michigan's largest

energy provider, providing natural gas and/or electricity to 6.8 million of the state's 10 million residents in all 68 Lower Peninsula counties.

The utility's latest infrastructure investment also includes maintaining the Jackson Generating Station and expanding our gas-fired facilities such as the recent purchase of the Covert Generating Station and this

additional generating capacity at the Zeeland Generating Station. We will also con-



Zeeland Generating Station

tinue the operation of the Karn 3 and 4 combined-cycle units. ■

NRG to acquire gas generation units and VPPs from LS

NRG Energy has entered a definitive agreement to acquire LS Power's portfolio of natural gas generation facilities and a commercial and industrial virtual power plant in a \$12 billion deal. The acquisition doubles NRG's installed capacity, adding 18 gas-fired plants with 13 GW capacity combined.

Spread across nine US states, these gas-fired power plant will expand NRG's generation footprint in the Northeast and Texas, where most of its load is located. The acquisition adds modern new quick-start facilities which will help simplify NRG's risk management, and lower cost-to-serve.

NRG is also acquiring CPower, a commercial and industrial virtual power plant (C&I VPP) platform. It operates in all deregulated US energy markets and has some 6 GW of capacity, serving more than 2,000 commercial and industrial customers.

Larry Coben, NRG chair, president & CEO called the transaction "financially compelling" as it strengthens the NRG's credit profile and turbocharges its growth rate,

while supporting robust capital returns. "We are in the early stages of a power demand super-cycle, and we are excited to lead the way with reliable energy solutions that will drive considerable value for NRG and all of our stakeholders," he said.

NRG steps up growth target

Given the visible, sustained growth expected to be created by the acquisition, NRG is increasing its stated long-term compounded annual growth rate (CAGR) target for Adjusted Earnings per Share to at least 14%, from the current at least 10% target. The utility said it expects to return approximately \$9.1 billion of capital to NRG shareholders through share repurchases and common dividends over this period.

Paul Segal, CEO of LS Power underlined worth of the assets: "Over time, LS Power has carefully assembled, expanded, redeveloped, repositioned, and operated this generation portfolio, which is uniquely situated to meet the growing energy demand in the markets it

serves," he said, suggesting that "in the capable hands of the NRG team, these projects, along with CPower, will continue to provide critical services to the grid, enhancing both its resilience and affordability." ■

NEWS NUDGES

SF6-switchgear for China's SGCC

Hitachi Energy will deliver the world's first sulfur hexafluoride (SF6)-free 550 kV gas-insulated switchgear to the Central China Branch of the State Grid Corporation of China (SGCC). The move towards clean switchgear helps decarbonize the Chinese power grid and contributes towards the country's target of reaching carbon neutrality by 2060.

Reliance signs solar PPA with SECI

Reliance NU Suntech, part of Reliance Power, has sealed a 25-year power purchase agreement with Solar Energy Cop of India (SECI) to deliver 930 MW of electricity. The intermittent solar power supply will be backed up by a 465 MW/1,860 MW battery energy storage system — all at a fixed tariff of 3.53 Indian Rupees (₹) per kWh.



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