



SIRIUS SHIPPING AND GASUM TEAM UP ON LNG BUNKER VESSEL NEWBUILDING

Gasum is chartering a new LNG bunker vessel, which it will co-own with Sweden's Sirius Shipping, as it expands its LNG and bio-LNG capacity in north-western Europe. Finland-headquartered Gasum said the newbuilding, to be named Celsius, will be built at Turkey's RMK Marine yard and will be operational in 2027. Sirius said the order is for a 7,800-cbm LNG and bio-LNG bunker vessel. No price or time-charter details were given. Answering questions from TradeWinds on the price of the vessel, a Gasum spokesman said: "This is not disclosed but it is competitive in today's market." He added that the vessel is fixed on a long-term charter. Gasum highlighted its previous history with Sirius, pointing to its charter of the Swedish owner-operated 5,737-cbm LNGBV Coralius (built 2017) since its delivery. It also said Sirius has been managing Gasum's early LNGBV, the 167-cbm Seagas (built 1974) — a conversion to a bunker vessel — since 2012. Gasum said the experience gathered by both companies during the past eight years and nearly 1,000 bunkerings has been vital in designing an updated version of the bunker vessel. Gasum claimed this has led to better fuel efficiency, improved tank insulation, larger cargo capacity and improved fender handling for safety and efficiency. It added that the LNGBV will be equipped with a high-

NEW POWERFUL HIMSEN FOUR-STROKE LNG DUAL-FUEL ENGINE FOR FSRU COMPLETES FAT

A new powerful LNG dual-fuel engine destined for a floating, storage and regasification unit (FSRU) newbuild under construction at HD Hyundai Heavy Industries in Ulsan, South Korea, has successfully completed its factory acceptance testing (FAT). Engine maker HD Hyundai Heavy Industries-Engine and Machinery Division (HD HHI-EMD) reported its four-stroke LNG dual-fuel engine H54DF HiMSEN completed the FAT at HD Hyundai Engine, Yeongam, South Korea, on 23 January. The FAT was conducted with the participation of American shipowner Excelerate Energy, class society Bureau Veritas Marine & Offshore, and shipbuilder HD HHI. The engine will be installed in Hull 3407, a 170,000-m³ FSRU ordered by Excelerate Energy for delivery in June 2026. The South Korean engine manufacturer said the engine boasts the highest power output per cylinder among four-stroke engines worldwide. “This engine significantly reduces harmful emissions such as sulphur oxides and nitrogen oxides, as well as greenhouse gases. The powerful prime mover has three times the output of existing dual-fuel engines and an 18% increase in power compared to diesel engines,” it said. A dual-fuel engine capable of running on natural gas or diesel, the six-cylinder H54DF engine has a power output of around 12,000 horsepower (8,949 kW) at 600 rpm, with a 540-mm bore and 600-mm stroke. At 100% load, the engine has a heat rate of 7,280 kJ/kWh in gas mode and specific fuel oil consumption of 179 g/kWh in diesel mode. An HD-HHI-EMD representative said the engine maker will continue to expand its portfolio with other dual-fuel and gas engines, including H35DFV and H35GV.

Electric-hybrid CSOV contract

Meanwhile, Cat power solutions distributor for Norway, Pon Power, has been contracted by Vard to deliver the main engines and emergency diesel for a diesel-electric battery-hybrid commissioning service operations vessel (CSOV) for Navigare Capital Partners and Norwind Offshore. Under the contract, Pon Power will deliver two Cat 3512C (rated at 1,700 eKW) and two Cat C32 (rated at 940 eKW) generator sets for diesel-electric propulsion. Pon Power offers Cat 3512C engines in the power range of 955 to 1902 kW, with speeds between 1,200-1,800 rpm. The supply deal also covers Pon Power Genflex — a system designed to minimise vibrations from the generator — as well as one Cat C9.3, 274 eKW emergency generator. Permanent magnet motors and thrusters from Kongsberg round out the vessel’s propulsion package. Fitted with hybrid propulsion and a battery pack, the 85-m CSOV is planned for delivery in Q1 2026. The hull will be built at Vard’s shipyard in Braila, Romania, and completed at one of its facilities in Norway. This will be the sixth new CSOV that Vard delivers to Norwind Offshore and partners with Cat engines from Pon Power. Source: www.rivieramm.com

THE EVOLVING FLNG LANDSCAPE IN ASIA AND OCEANIA

Floating liquefied natural gas (FLNG) projects have been at the forefront of Asia and Oceania’s energy developments over the past decade, offering a solution to monetising offshore gas reserves that might otherwise remain untapped. From early operational units to projects still navigating regulatory approvals and financial commitments, FLNG has undergone an evolution

shaped by technical innovation, economic feasibility, and political considerations. The story of FLNG in Asia and Oceania began with the Kanowit gas field offshore Malaysia, which became home to the first operational floating LNG facility in the region. Known as PFLNG Satu, the unit was deployed by Malaysia's national energy company in 2016. Initially stationed at the Kanowit field offshore Sarawak, PFLNG Satu was later redeployed to Sabah's Keabangan field in 2019, marking the world's first relocation of an FLNG facility. The move demonstrated the adaptability of floating liquefaction technology, enabling gas extraction from different locations without the need for permanent onshore infrastructure. The facility remains in operation today, reinforcing the case for FLNG as a flexible alternative to conventional LNG projects. PFLNG Satu was followed by a second Malaysian facility, PFLNG Dua, which entered service in early 2021. Unlike its predecessor, PFLNG Dua was purpose-built for deeper waters and was deployed at the Rotan gas field in Block H, offshore Sabah. Capable of liquefying gas extracted from depths of up to 1,500 metres, the facility was designed to operate without requiring long periods in dry dock. Its successful operation has ensured that Malaysia remains a leading proponent of FLNG technology in the region, with a third facility, ZLNG, now under development. The ZLNG FLNG project, currently under construction near Sabah, is the latest development in Malaysia's FLNG expansion. With an intended production capacity of two million tonnes per annum (mtpa), ZLNG is scheduled to enter service in the latter half of 2027. Its design builds on the experience gained from previous floating LNG deployments in the country, with refinements in processing and operational efficiency. Once complete, it will add to the portfolio of floating liquefaction assets supporting Malaysia's gas industry. Australia's engagement with FLNGs has been more complex. The Prelude FLNG facility, stationed offshore Western Australia, was envisioned as a pioneering project that would showcase the viability of large-scale offshore liquefaction. However, since its commissioning in 2018, the facility has faced a series of technical and operational difficulties, leading to multiple shutdowns. A scheduled maintenance shutdown in 2023 extended well beyond initial expectations, delaying production until December of that year. While Prelude is now back in operation, its history underscores the challenges associated with large FLNG installations, particularly in remote offshore locations. Australia's other FLNG prospects have encountered obstacles of a different nature. The Browse FLNG project, which has been under discussion for more than a decade, remains stalled as it awaits regulatory approval. The proposed development involves extracting gas from the Brecknock, Calliance, and Torosa fields in the Browse Basin and linking the resource to existing processing infrastructure. However, environmental concerns and shifting industry priorities have delayed its progress, with no final investment decision yet reached. The project's viability remains in question, dependent on approvals and commercial alignment between stakeholders. Another long-discussed Australian FLNG development is Greater Sunrise, which has remained in limbo due to geopolitical and commercial complexities. The fields were first discovered in 1974, but disputes over revenue-sharing and development plans have hindered progress. A floating LNG concept was previously considered as a means of developing the gas without the need for onshore facilities, but the government of Timor-Leste has consistently favoured an onshore processing model. Despite renewed talks in 2024, no firm decision has been made on how Greater Sunrise will be developed,

to build two new liquefaction trains as part of the Sabine Pass Stage 5 expansion project to add up to 20 mtpa of capacity to the giant facility.

Record 646 LNG cargoes

As of February 14, 2025, approximately 3,930 cumulative LNG cargoes totaling approximately 270 million tonnes of LNG have been produced, loaded, and exported from Cheniere's terminals. The LNG supplies have been shipped to 41 countries and regions around the world. Cheniere loaded 2,327 TBtu of LNG in 2024, a rise from 2,300 TBtu in 2023. The company loaded record 646 LNG cargoes last year, up from 637 cargoes in 2023. The majority of these volumes were shipped to Europe, followed by Asia.

Revenues down

Cheniere's revenues dropped to \$15.7 billion last year from \$20.39 billion in 2023. The company attributed the decrease to a \$3.8 billion decrease in revenues generated by its marketing function under short-term agreements between the comparative years due to declining global LNG and gas prices and a reduction of volumes sold under short-term agreements because of additional long-term agreements commencing in 2024 as compared to 2023. Net income reached \$3.25 billion in 2024, compared to \$9.88 billion in 2023. Cheniere said net income declined by \$6.6 billion primarily due to \$6.7 billion of decreases in gains (before tax and the impact of non-controlling interests) from changes in fair value of derivatives. Consolidated adjusted Ebitda reached \$6.2 billion last year, and distributable cash flow was at \$3.7 billion. Cheniere introduced 2025 consolidated Adjusted Ebitda guidance of \$6.5 billion - \$7 billion and distributable cash flow guidance of \$4.1 billion - \$4.6 billion, with over 90 percent of forecasted operational volumes expected to be sold in relation to long-term agreements. The company expects 2025 to be another record year for LNG production as Stage 3 trains are completed. Source: www.lngprime.com

CENTRICA SEALS LNG SUPPLY DEAL WITH PETROBRAS

UK-based energy firm Centrica has signed a 15-year LNG supply deal with Brazil's state-owned energy firm Petrobras. Under the sales and purchase agreement, Petrobras will buy 0.8 million tons per annum (mtpa) of LNG for 15 years, starting in 2027. Centrica said in a statement the agreement comprises approximately 30 percent of its US portfolio and will be sourced from Centrica's Sabine Pass and Delfin supply agreements. The agreement marks a "significant step" in expanding Centrica's global LNG business, diversifying the locations it can deliver LNG to and supporting energy security in Brazil with an important new long-term partner, the firm said. Chris O'Shea, Centrica chief executive, said this deal "demonstrates our approach to building long-term partnerships while derisking our portfolio exposure in the medium-term, in turn positioning us to continue growing our portfolio as new LNG supply comes into the market over the coming years." "The agreement with Centrica is aligned with Petrobras' priorities to reduce its exposure to the spot market volatility, increase its competitiveness and be the best option for its customers," Petrobras' director of energy transition and sustainability, Maurício Tolmasquim, said.

rather than the Asia Pacific. Compared to December 2024, global LNG imports rose by 0.73 Mt m-o-m, supported by stronger imports across all regions except the Asia Pacific.

European LNG imports rise for first time since June 2023

In January 2025, European LNG imports rose by 8.4 percent (0.93 Mt) year-on-year to reach 12.03 Mt, marking the region's first year-on-year increase since June 2023 and the highest monthly imports since April 2023, GECF said. This increase was driven by reduced pipeline gas imports, primarily due to the non-renewal of the Russia-Ukraine transit agreement, and higher gas demand for heating during colder-than-average weather, it said. At the country level, significant increases in LNG imports were recorded in France, Greece, Italy, Lithuania, Poland, Spain, and Türkiye, offsetting declines in Germany and the UK. In France, the rise in LNG imports was primarily due to reduced pipeline gas supplies from Norway. Greece saw an increase in LNG imports due to higher gas consumption and its position as one of the most profitable netback markets for US LNG, GECF said. Italy's imports rose because of increased gas consumption and reduced pipeline gas imports from Russia. Lithuania's higher LNG imports were linked to increased pipeline gas exports to Latvia, while Poland's growth in LNG imports was due to a decline in pipeline gas supplies from Russia. Similarly, Spain and Türkiye attracted more US LNG cargoes by offering among the highest netbacks in Europe. GECF said. In contrast, Germany experienced a decline in LNG imports as the higher operational costs of its LNG import terminals reduced their competitiveness in attracting spot LNG cargoes, it said. Additionally, an increase in pipeline gas imports from Norway contributed to a reduction in the UK's LNG imports.

Asia Pacific LNG imports down

In January 2025, LNG imports in the Asia Pacific region dropped by 5 percent (1.31 Mt) year-on-year to 24.73 Mt, marking the third consecutive monthly decline in year-on-year imports, GECF said. This decrease was driven by weak spot LNG demand, resulting from mild winter weather in some countries and high spot LNG prices, as well as a negative NEA spot LNG-TTF price spread, the organization said. The decline was led by lower imports in China, India, Singapore, and South Korea, partially offset by increased imports in Bangladesh, Indonesia, and Japan. China's LNG imports fell to their lowest level since July 2024, driven by reduced heating demand from warmer temperatures and high spot LNG prices, GECF said. Similarly, high spot prices curbed spot purchases in India and Singapore. South Korea's imports also declined, partly due to less imports from the US, as most US cargoes were redirected to Europe. In contrast, Bangladesh's imports rose, supported by strong gas demand and declining domestic production, while Indonesia saw an increase due to higher intra-country trade and additional imports from the US, GECF said. Finally, colder-than-average weather led to a rise in Japan's LNG imports, it said.

Latin America and MENA

LNG imports in the Latin America & the Caribbean region increased marginally by 2.8 percent (0.03 Mt) y-o-y to reach 1.11 Mt in January, which is a record high for the month, GECF said. Stronger LNG imports in the Dominican Republic and Jamaica

