LNG Shipping News

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Golden Pass' new lease of life

US Golden Pass LNG export project looks to have been saved following the bankruptcy of its contractor.

Work to complete the QatarEnergy and ExxonMobil led $11 bill Texas Golden Pass LNG project could increase following an agreement to allow the developers to choose a new contractor, according to court documents, seen by newswires.

The project's original main contractor, Zachry Holdings, filed for Chapter 11 bankruptcy protection in March, claiming that the project was at least $2.4 bill over budget.

A settlement with Zachry to allow the company to step aside is expected to put an end to the standoff that has delayed the project. First LNG output from the 15 mill tonne per annum plant is now expected in 2025, rather than the end of this year, as originally planned, Reuters reported.

Terminal conversion

Located at the site of a former gas import terminal converted to process natural gas for LNG exports at Sabine Pass, this was one of two large US LNG facilities whose startups were expected to significantly expand supplies from the US in the next 12 months.

A couple of weeks ago, Zachry filed an emergency motion with the US bankruptcy court for the Southern District of Texas in Houston asking for a settlement with Golden Pass LNG and Chiyoda International Corp, to be approved, which is expected to result in Zachry emerging from bankruptcy.

An agreement will allow Chiyoda to take over the project as the lead contractor for engineering, procurement and construction (EPC), and to pay the suppliers.

All of the parties involved have kept lines of communication open, progressing toward a consensual resolution of the issues, Zachry said in its Court filing.

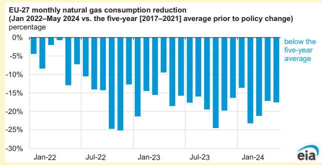
The proposal is expected to allow direct payment of vendors' approved claims by Golden Pass, subject to a cap, with Zachry agreeing to pay the balance of any such allowed claims.

It also allows for the immediate transfer of work from Zachry to joint venture partners, allowing them to rehire workers and complete the project, the court document showed, Reuters said. ■

> "All of the parties involved have kept lines of communication open, progressing toward a consensual resolution of the issues"
>
> *- Zachry Holdings*

SHIPPING NEWS AGENDA

MARKETING



BUSINESS

FINANCE

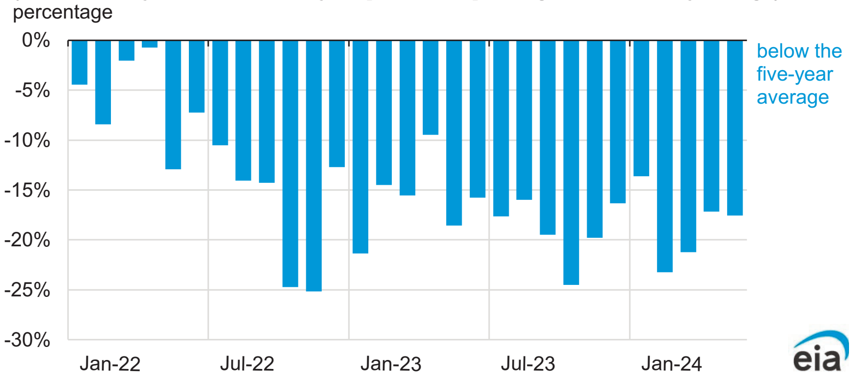
TECHNOLOGY

LNG ORDERBOOK

Europe gas consumption falls - inventories remain high

European natural gas consumption has consistently decreased since mid-2022, driven by a combination of mild winter weather and government policies aimed at reducing its usage, the Energy Information Administration (EIA) said in a report.

EU-27 monthly natural gas consumption reduction
(Jan 2022–May 2024 vs. the five-year [2017–2021] average prior to policy change)



Data source: Eurostat, Supply, transformation and consumption of gas

In 2023, natural gas consumption in the European Union's 27 member countries (EU27) declined by 18% from the previous five-year (2017/21) average, according to Eurostat data.

During the first five months of this year (January/May), consumption remained at 19% below the 2017/21 average for the same months.

Following a significant decline of pipeline gas imports from Russia, in 2022 European governments brought in co-ordinated demand reduction measures, which mandated a minimum 15% drop in natural gas consumption from August, 2022 to March, 2023. They have been since extended through March, 2025.

The EU27's four countries with the most natural gas consumption – Germany, Italy, France, and the Netherlands – account for about two-thirds of the consumption in the region.

This quartet saw a reduction in natural gas consumption of a combined 5 bill cu ft per day in 2023 and 6 bill cu ft during the first five-months of this year, compared with the five-year (2017/21) average prior to the EU governments' policies.

Natural gas consumption declined in most of the EU27 countries. Since enactment of the policy, the top 10 natural gas-consuming countries have seen consumption reduced by a range of 1% to 28%.

Mild winters

Two mild winters in a row (2022/23 and 2023/24) combined with reduced natural gas consumption, due to the policies and increased electric generation from renewable sources, led to record high end-of-heating-season storage inventories in both 2023 and 2024, the EIA said.

As of 1st April, 2024, European natural gas storage facilities were 59% full – the highest percentage on record for the end of a heating season (1st November to 31st March) – according to data from Gas Infrastructure Europe's Aggregated Gas Storage Inventory (AGSI+).

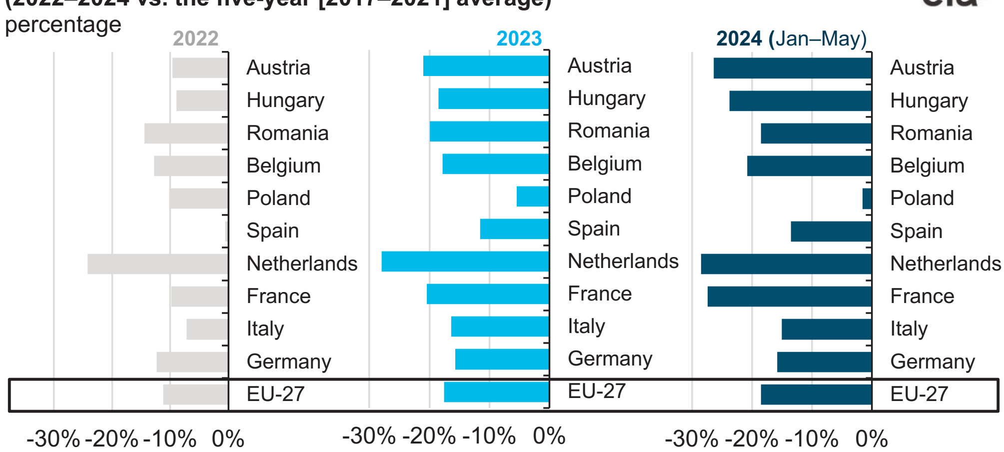
On 31st March, 2024 – the last day of the heating season – Europe's natural gas storage levels were 83% above the previous 13-year (2011/23) average for the same day. From January through June, 2024, Europe's storage inventories remained at all-time highs, closely tracking last year's levels.

Europe's natural gas pipeline shipments from Russia declined by 58% (6.3 bill cu ft per day) in 2022 and by 89% (9.7 bill cu ft) in 2023, compared with the 2021 annual average.

LNG imports were utilised primarily to offset reduced Russian imports. In 2023, LNG imports into EU27 and the UK averaged 14.5 bill cu ft per day, remaining essentially unchanged from 2022, according to data supplied by the International Group of Liquefied Natural Gas Importers (GIIGNL).

The US was the largest European LNG supplier for the third consecutive year in 2023, providing almost 50% of all its LNG imports. In the same year, LNG import facilities were added in Germany, which accounted for 5% of all EU27 and UK imports. Around 83% of the German LNG imports were supplied by the US, the EIA said.

Change in consumption in EU-27's top 10 natural gas-consuming countries
(2022–2024 vs. the five-year [2017–2021] average)



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EPPO to investigate Cypriot FSRU terminal project

The European Public Prosecutor's Office (EPPO) in Nicosia (Cyprus) is to investigate the Cypriot Vassiliko Bay offshore LNG terminal project.

This move was made, due to a suspicion of procurement fraud, misappropriation of EU funds and corruption, the EPPO said.

The terminal was meant to open an entry point for natural gas into Cyprus, enabling the country to connect with the wider European gas market.

It was costed at €542 mill – of which about €101 mill was financed by the Connecting Europe Facility (CEF) programme -and should have been completed in December, 2019.

The investigation was initiated following the publication on 19th January, 2024 of a report by the Audit Office of the Republic of Cyprus, regarding possible violations during the procurement procedure and the subsequent execution of the project's public contract.

The European Court of Auditors and the European Climate, Infrastructure and Environment Executive Agency (CINEA) also sent reports to the EPPO.

After receiving the information and examining it in detail, the EPPO decided to open an investigation, in order to look into the contracts awarded by the public authorities, the organisation explained.

No further details will be made public at this stage, the EPPO added.

EPPO is the European Union's independent public prosecution office, responsible for investigating, prosecuting and bringing to judgement crimes against the financial interests of the EU.

Contract termination

Last week, Cypriot Energy Minister, George Papanastasiou, said that the construction contract between the state Natural Gas Infrastructure Company (Etyfa) and CPP-Metron Consortium (CMC) was heading towards a termination.

Papanastasiou said negotiations were tough, adding that Etyfa was now looking into other ways to complete the project "outside the contract".

He added that negotiations with the construction company to send the FSRU to Cyprus from Shanghai were at their final stage. "There appears to be a conclusion, which the parties accept, according to which the current contract is terminated," Papanastasiou said.

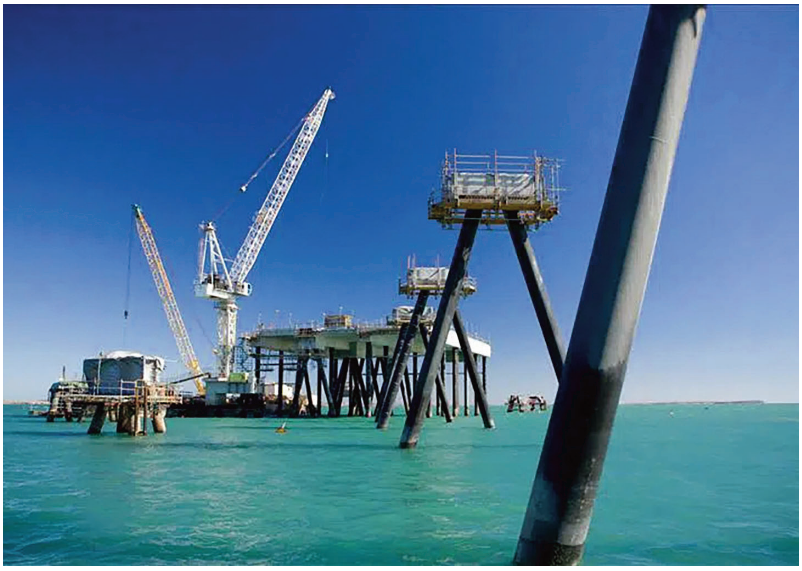
He added that Etyfa was going ahead with its plans but that the Chinese consortium involved in the original contract was trying to relieve itself of any responsibility.

The terminal was planned in three stages, with the most important being the FSRU. The other two are the jetty and the terminal's infrastructure on land.

"We believe the two last ones are easy to complete. Their construction is already at 60% and the remaining 40% we believe we can complete with our own means," Papanastasiou added.

Regarding the FSRU, the Minister explained it was the core issue in the current negotiations, as it constituted 75% of the project.

Deputy Managing Director of contractor China Petroleum Pipeline Engineering, Duan Bingquan had pledged to bring natural gas to Cyprus at the end of June 2023. ■



The jetty under construction

Freeport LNG shipments restart

US LNG export facility, Freeport LNG was due to return to full production on Sunday.

It has pulled over 2 bill cu ft of natural gas, LSEG data showed, according to newswires.

Freeport LNG is the US' second largest LNG exporter and one of the world's most watched US LNG export plants, as it has a history of influencing global gas prices whenever it shuts and restarts.

The plant was shutdown on 7th July ahead of Hurricane 'Beryl' and has recently been slowly increasing feedgas demand, according to LSEG.

Two weeks ago, Freeport said it had planned to restart its plant one processing train at a time, as it conducted repairs to the hurricane damage suffered.

Freeport had not officially confirmed the full restart, at the time of writing.

LNG shipment resumptions resumed after the operator said on 15th July that it expected to restart production on the first of three liquefaction units later in the week and the remaining two trains "shortly thereafter".

However by 22nd July, the Freeport LNG terminal had only restarted Train 3.

Freeport LNG was thought to have cancelled at least seven cargoes and possibly up to 10 after Hurricane 'Beryl' damaged part of the facility and kept the plant offline for more than a week, Commodity Insights reported on 18th July.

Market sources believed that some Freeport offtakers attempted to purchase cargoes to replace lost volumes, resulting in increased demand for prompt liftings.

The SK E&S spot chartered 'Cool Runner' was due to load a cargo at the terminal between 23rd and 27th July for South Korea at a rate believed to be around $70,000 per day for a round trip, shipbrokers said.

Earlier, the JERA-chartered 'Gaslog Wales' sailed from Freeport with a cargo on 22nd July bound for Kawasaki, where she is estimated to arrive on 9th September. She followed the departure of the EnBW chartered 'Axios II' on 21st July, according to S&P Global Commodities at Sea. ■

Power Play AWARDS

Presented by ExxonMobil

THANK YOU FOR SUPPORTING THE 2024 POWER PLAY AWARDS!

What started as a spark in 2019 has grown into a bright and vibrant flame as the Power Play Awards is in its sixth year of shining a light on the accomplishments of remarkable women and men who uphold the importance of supporting and empowering others in the workplace. They demonstrate how a mutually supportive environment can help support great business outcomes across all parts of the LNG and decarbonization value chains.

Thank you to everyone who has supported these awards over the years, especially to those who took the time to nominate candidates for the awards and to our international panel of judges who have the unenviable challenge of judging the nominations.

The finalists for this year's awards will be announced on August 12 and the winners of the Power Play Awards will be announced at a ceremony during the Gastech Exhibition and Conference in September.

ExxonMobil

Adriatic LNG sets intake record

In the first half of 2024, Italian offshore regas terminal Adriatic LNG recorded its best result ever in terms of the amount of natural gas injected into the grid.

This amounted to 4.4 bill cu m, an increase of 5%, compared to 1H23.

Located off the Veneto coast, is is claimed to be the most important Italian LNG terminal and among the most important in the Mediterranean area.

The volumes regasified and injected into the grid by Adriatic LNG in 1H24 represented 14.2% of national gas consumption (which accounts for about 31 bill cu m, minus 4.5% compared to the same period in 2023) and 58% of national LNG imports (equal to 7.6 bill cu m, minus 3% compared to 1H23).

The Adraitic offshore terminal has reported a record throughput

Since 2009, over 1,000 LNGCs have berthed at the regas terminal, arriving from more than 10 countries, amounting to a total of 96 bill cu m of gas sent into the national grid.

Strategic role

With a maximum authorised regas capacity of 9.6 bill cu m per year, a utilisation rate over 88% in 2023, and a regas operation reliability rate of 99.6%, the Adriatic LNG terminal plays a strategic role in the Italian and European energy system, the operator claimed.

Furthermore, it is the only Italian terminal able to receive LNGCs of up to 217,000 cu m (Q-Flexes).

"LNG has assumed an important role in the diversification and security of our country's energy supplies, and in this context, the results achieved by Adriatic LNG in the first half of the year once again confirm the reliability of our terminal.

“Together with our customers, we will continue to commit to contributing to an increasingly resilient national energy system and to implementing an energy transition that combines de-carbonisation goals with the development of the competitiveness of Italian companies," said Alfredo Balena, Adriatic LNG’s Director of Public & Government Affairs.

Last month, Adriatic LNG launched the accreditation phase for Open Season 2024 aimed at natural gas operators interested in acquiring medium to long-term regas capacity.

This offered regas capacity available between January, 2029 and December, 2049. The reliability and safety of operational activities, combined with the ability to provide innovative and flexible services to meet market demands, have enabled Adriatic LNG to allocate all available regas capacity in previous auction sessions until December, 2028, the operator claimed.

In addition, Adriatic LNG allocated 2 bill cu m per year from January, 2029 to December, 2034, as well as 0.9 bill cu m per year from January, 2035 to December, 2042.■

Woodside has Tellurian in its sights

Australian oil and gas developer, Woodside is to buy beleaguered US-based oil and gas player Tellurian.

Woodside’s Meg O’Neill is overseeing the purchase of Tellurian

The company confirmed it had entered into a definitive agreement to acquire all of Tellurian’s issued and outstanding common stock, including its owned and operated US Gulf Coast Driftwood LNG development project.

An all-cash payment of around $900 mill, or $1 per share of outstanding Tellurian common stock, has been agreed. The implied enterprise value is about $1.2 bill, which represents an attractive entry into an opportunity with more than $1 bill of expenditure incurred to date, Woodside said.

“The acquisition of Tellurian and its Driftwood LNG development opportunity positions Woodside to be a global LNG powerhouse,” said Woodside CEO, Meg O’Neill. “It adds a scalable US LNG development opportunity to our existing approximately 10 mill tonnes per annum of equity LNG in Australia.

“Having a complementary US position would allow us to better serve customers globally and capture further marketing optimisation opportunities across both the Atlantic and Pacific Basins.

“The Driftwood LNG development opportunity is competitively advantaged. Woodside expects to leverage its global LNG expertise to unlock this fully permitted development and expand our relationship with Bechtel, which is the EPC contractor for both Driftwood LNG and our Pluto Train 2 project in Australia.

“Through this acquisition, we are delivering on our strategy to thrive through the energy transition. Woodside believes that LNG will play a key role in the energy transition and is well positioned to deliver the energy the world needs while delivering significant value to our shareholders,” she said.

Fully permitted

Driftwood LNG is a fully permitted, pre-final investment decision (FID) development project located near Lake Charles, Louisiana. The current development plan comprises five LNG trains through four phases, with a total permitted capacity of 27.6 mill tonnes per annum.

The foundation development includes Phase 1 (11 mill tonnes) and Phase 2 (5.5 mill tonnes per annum). Woodside is targeting FID readiness for Phase 1 from the first quarter of 2025.

It also has a valid non-free trade agreement (FTA) export authorisation and recently received an extension of its Federal Energy Regulatory Commission (FERC) authorisation.

Completion of the transaction is being targeted for the fourth quarter of this year and is subject to satisfaction of customary conditions precedent, including maintenance of validity for existing authorisations (eg, US Department of Energy (DOE) and FERC), Tellurian shareholder approval, regulatory and other approvals.

Upon the signing of a binding agreement, Woodside will provide Tellurian with a loan of up to $230 mill to ensure Driftwood LNG site activity and de-risking activities are maintained prior to transaction’s completion.

The loan is secured by a first priority lien over the borrower’s assets subject to customary exclusions. The latest maturity date for the loan is 15th December, 2024 or the date of the transaction’s completion.

Woodside’s sole financial adviser is PJT Partners and its legal adviser is Norton Rose Fulbright. ■

NFE's 'Fast LNG' asset achieves first LNG

New Fortress Energy (NFE) has achieved first LNG for its initial 'Fast LNG' project offshore Altamira, Mexico.

With this milestone, FLNG establishes itself as the fastest large-scale LNG project ever developed, the company claimed.

NFE added that its proprietary 'Fast LNG' design is the first of its kind, coupling the latest advancements in modular liquefaction technology with jack up rigs or similar offshore infrastructure to enable a faster deployment schedule than traditional liquefaction facilities.

With a production capacity of 1.4 mill tonnes per annum, or about 70 TBtus, FLNG completes the vertical integration of NFE's LNG portfolio and will play a pivotal role in supplying low-cost, clean LNG to the company's downstream terminal customers.

"First LNG represents a transformative moment for our company and the industry as a whole, and reaffirms our position as a fully integrated leader in the global LNG market," said Wes Edens, NFE Chairman and CEO.


A typical NFE FLNG facility

"We are immensely proud of the dedication and hard work by our team, who have completed more than 9 mill work hours, to bring this large-scale project to life at a record pace. In doing so, our downstream customers now benefit from additional access to clean and reliable LNG, enabling sustained growth well into the future," added Chris Guinta, NFE's CFO.

FLNG adds more than $2 bill of infrastructure to the company's asset base, greatly improving its operational capabilities, financial flexibility, and credit profile, the company added.

The first LNG was delivered with the help of Chart Industries' IPSMR process technology.

"We appreciate our long-standing partnership with Chart Industries who played a pivotal role in our offshore development in Altamira," Edens said.

"We are proud to support NFE and the industry with our modular liquefaction technology and all mission critical equipment, including brazed aluminium heat exchangers, cold boxes and air coolers," added Jill Evanko, Chart's CEO and President.

"We congratulate NFE for this success of First LNG, and we look forward to further supporting the industry with our modular, adaptable, resilient and cost-effective technology and products," she said.

Loan finalised

NFE has also announced that it has closed its previously announced $700 mill loan for a second FLNG unit (FLNG 2).

The new loan will fully fund FLNG 2's construction. It will be developed in partnership with Comisión Federal de Electricidad (CFE) utilising its extensive in-place terminal infrastructure onshore at Altamira.

FLNG 2 will incorporate the same proprietary modular technology as FLNG 1 and is expected to complete construction in the first half of 2026.

"Our FLNG complex is advancing at a rapid pace as we have now produced LNG at our first unit, and fully financed our second. These are large infrastructure projects that add considerable financial and operational value to our company and we are thrilled with the progress to date," Edens added. ■

Texas LNG finalises EQT tolling agreement

Glenfarne's Texas LNG Brownsville has finalised a definitive 20-year tolling agreement with EQT Corp.

This solidifies the two Heads of Agreement (HOAs) signed by both companies earlier this year.

The agreement involves natural gas liquefaction services for 2 mill tonnes per year of LNG.

"Glenfarne's partnership with EQT will bring low-emission natural gas to transitioning and emerging markets, powering the globe's phase out of legacy, carbon-intensive fuels," said Brendan Duval, Glenfarne CEO and Founder and Co-President of Texas LNG.

"Beyond this partnership with EQT, Texas LNG is actively converting its other HOAs into definitive agreements in preparation for a final investment decision (FID)," he said.

"Converting our HOA with Texas LNG to a definitive tolling agreement brings us one step closer to unleashing EQT's reliable, low emissions natural gas on the global stage," added Toby Rice, EQT President and CEO. "We stand ready to deliver supply to growing LNG markets, helping to strengthen energy security and reduce global emissions via foreign coal displacement."

Texas LNG has also confirmed offtake agreements for the majority of the project's remaining capacity. This includes a signed agreement with a top-tier, credit-rated market participant for 0.5 mill tonnes per annum announced last month.

Glenfarne Energy Transition, a developer, owner, and operator of energy transition infrastructure, is the majority owner and managing member of Texas LNG.

Construction of the project will begin in 2024 and the plant is due commence commercial operations in 2028.

Glenfarne Energy Transition's LNG portfolio also includes the 8.8 mill tonnes per annum Magnolia LNG export facility under development in Lake Charles, Louisiana.

Latham & Watkins represented Glenfarne Energy Transition in this transaction with a team led by Houston partner, Chris Peponis and associate, Taylor López, with assistance from associate, Siyao Liu. Additional advice was provided by New York partner, Hamad Al-Hoshan. ■

Venice Energy nears terminal equity deal

South Australia project developer, Venice Energy recently received a formal offer from an undisclosd major international infrastructure player to become a balance sheet partner.

This would fully underwrite the Adelaide FSRU terminal project, the company said.

Following eight months of discussions with a several companies, Venice Energy said that it had identified a leading contender and has entered into formal negotiations.

It expects to finalise both the legal and commercial elements of the agreement in the next six to eight weeks and declare FID following the signing of the deal and begin construction later this year.

In addition, an announcement of a major expansion to Australia's Victoria's Iona underground gas storage facility was welcomed by Venice Energy.

Chairman, Kym Winter-Dewhirst, said the 25-year agreement between Snowy Hydro and the Iona facility owner, Lochard Energy, means Venice Energy's terminal will be able to cover any forecast gas shortfalls in both Victoria and South Australia.

"This is a good move by the (Australian) Federal Government through their Snowy Hydro business, as it will ensure enough gas can be strategically stored at Iona and thereby prevent state-wide blackouts as domestic gas supplies rapidly decline in the next few years," he said.

"This raises the question of where the gas will come from," he added. "It will come from our terminal at Port Adelaide via the 687 km SEA Gas pipeline directly linking Adelaide to Iona.

"We will deliver around 60 PJs per year directly to Iona. We will supply an additional 30 PJs to the Port Campbell pipeline, with around 20 PJs remaining in the South Australian network.

"Ultimately, what matters is that firstly, enough new gas supplies can be sourced to cover the forecast shortfalls; and secondly, that this imported gas is competitively priced, compared to the anticipated higher costs of domestic gas as local production declines over the next few years.

"We firmly believe that both of these factors can be met from our $300 mill LNG import terminal at Port Adelaide, ensuring both security of supply and cost-effective gas pricing to support the vital transition away from coal towards a net zero future over the coming years," he said. ■

GTT reports strong growth - higher order intake

For the first half of this year, French technology company, GTT enjoyed a very high level of orders.

These included 52 LNGCs, four large-capacity ethane carriers, one FSRU and one FLNG.

GTT's revenue for 1H24 was €295 mill, 66% higher compared to 1H23, while EBITDA was €177 mill, up 70% compared to the same period of 2023.

The Group agreed to pay an interim dividend of €3.67 per share, up 98% compared to the 2023 interim payment and in line with net income.

Jean-Baptiste Choimet, GTT's CEO, said:"With 58 orders recorded in the first half of 2024, commercial performance in our core business continues to be very strong.

"LNG demand remains high, as illustrated by the two final investment decisions announced in June, 2024 for new liquefaction projects (Cedar FLNG and Al Ruwais), leading to additional LNG carrier needs.

"GTT is pursuing its continuous R&D and innovation efforts, as evidenced by new approvals in principle obtained in the first half of 2024, notably in the field of liquid hydrogen transport.

"We have also finalised the development of our latest membrane containment technology, GTT NEXT1, which has obtained final approvals from leading classification societies, and is now entering the commercialisation phase.

"In the field of digital solutions, the integration of VPS, a Danish company specialising in vessel performance, is proceeding as planned. We have also recorded new commercial successes, including equipping several vessels of shipowner Latsco's fleet with our weather routing solutions.

"In January, 2024, Elogen began construction of its electrolysers' stacks manufacturing plant in Vendôme, with production scheduled to start in the fourth quarter of 2025.

"These developments are part of our strategy to build a sustainable world, and demonstrate our commitment to offer the best technologies to support our customers in their de-carbonisation process. Therefore, we are pursuing our efforts in sustainable innovation, in line with the objectives defined in our CSR roadmap adopted in January, 2024.

"From a financial standpoint, benefiting from the numerous orders received since 2021, the Group's revenues for the first half of 2024 show, as expected, an increase of 65.8% compared to the same period of 2023, and the earnings have significantly improved as well.

"Consequently, taking into account the shipbuilding schedules, the Group confirms its revenue and EBITDA objectives for the 2024 financial year. An interim dividend of €3.67 will be paid to shareholders, reflecting the Group's improved results," he concluded.

New orders

Subsequently, GTT announced it had received orders for four more newbuilding LNGCs.

One order came from Dalian Shipbuilding Industry for the tank design of two new LNGCs, contracted by Ocean Jade Investment.

They will each offer a capacity of 175,000 cu m and the tanks will be fitted with GTT's Mark III Flex membrane containment system.

Their delivery is scheduled for between the first and the second quarters of 2028.

The other order came from HD Hyundai Heavy Industries for the tank design of two new 174,000 cu m LNGCs, on behalf of a European shipowner.

Their tanks will also be fitted with the Mark III Flex membrane containment system and their deliveries are also scheduled for between the first and second quarters of 2028. ■

NEWS NUDGE

ConocoPhillips takes European capacity

US energy giant, ConocoPhillips has booked capacity at Fluxys' Zeebrugge LNG terminal in Belgium for 18 years.

Under the terms of the agreement, the company will import and regasify 0.75 mill tonnes per annum of LNG for delivery in Belgium and throughout Europe from April, 2027.

ConocoPhillips said on a social media post that it had also signed a long-term LNG sales and purchase agreement (SPA) to supply the Asian market starting in the same year without giving details. ■

Bechtel wins Port Arthur project

Sempra Infrastructure, a Sempra subsidiary, has revealed that Port Arthur LNG Phase 2 and Bechtel Energy have signed a fixed-price engineering, procurement and construction (EPC) contract for the project under development at Port Arthur, Texas.

"We are thrilled to achieve this milestone with Bechtel for the Port Arthur LNG Phase 2 development project and are confident that our continued collaboration with this world-class construction firm on the Port Arthur site will further strengthen our ability to execute this project," said Justin Bird, Sempra Infrastructure CEO.

"Building on the success of Port Arthur LNG Phase 1, which is currently under construction, the Phase 2 project is expected to further enhance the supply of secure, abundant and reliable US natural gas to customers around the globe," he said.

"We are excited for the opportunity to advance our partnership with Sempra Infrastructure on the Port Arthur LNG Phase 2 project, a vital project that will play a crucial role in meeting the world's increasing need for cleaner and more reliable energy," added Paul Marsden, Bechtel Energy President.

"This partnership positions Bechtel and Sempra Infrastructure to not only deliver a transformative energy infrastructure project but also brings additional significant economic growth and development opportunities to the local community," he said.

As part of the EPC contract, Bechtel will perform the project's detailed engineering, procurement, construction, commissioning, startup, performance testing and operator training activities.

The terms of the agreement also includes the ability to conduct pre-final investment decision (FID) work to better assure project cost and schedule certainty.

Port Arthur LNG Phase 2 project is competitively positioned and is under active marketing and development, Sempra said.

Authorisation

It received authorisation from the US Federal Energy Regulatory Commission (FERC) in September, 2023 and is expected to include two liquefaction trains capable of producing around 13 mill tonnes per annum of LNG, which would increase the total liquefaction capacity of the facility from about 13 mill tonnes to up to 26 mill tonnes per annum.

The project is currently under construction and consists of Trains 1 and 2, as well as two LNG storage tanks and associated facilities. Construction continues to progress, and the expected commercial operation dates for Train 1 and Train 2 are 2027 and 2028, respectively, the company added.

In June, Sempra Infrastructure and a subsidiary of Aramco signed a non-binding heads of agreement contemplating the purchase of 5 mill tonnes per annum of LNG and a 25% equity investment in the Port Arthur LNG Phase 2 project.

Earlier, in December, 2022, Port Arthur LNG Phase 2 and INEOS signed a non-binding agreement for an offtake capacity of 2 mill tonnes per annum from the project.

Its development remains subject to a number of risks and uncertainties, including completing the required commercial agreements, securing and/or maintaining all necessary permits, obtaining financing, and reaching FID, among other factors, the company warned. ■

Bechtel has won the contract to develop Port Arthur LNG 2

NEWS NUDGE

Gasgrid offers 2025 regas capacity

Gasgrid has started to offer regasification capacity for 2025 at the Inkoo FSRU-based LNG import terminal.

Subsidiary, Floating LNG Terminal Finland commenced the annual capacity allocation process for calendar year 2025 on 15th July, offering 22 terminal slots of 950 GWh each.

Requests must be submitted for terminal capacity by 15th August, 2024, Gasgrid said.

The company also confirmed that it plans to send the 150,900 cu m FSRU 'Exemplar', which is being used for regasification and storage, for drydocking from the second half of August, 2025 until the beginning of October, in 2025. ■

Wison ties up with CIMC Changhong

Wison New Energies (WNE) signed a three year co-operation agreement with Zhoushan CIMC Changhong Shipyard in Shanghai on 23rd July, 2024.

Under the agreement, WNE will provide a full suite of EPCIC (engineering, procurement, construction, installation, and commissioning) services for floating natural gas facilities and clean energy solutions.

CIMC Changhong, leveraging its assets in offshore engineering and construction, will join with WNE to mutually reinforce their competencies.

CIMC Changhong is a large shipbuilding and offshore engineering company offering integrated services across the entire industry chain, including shipbuilding, repairs, conversions, and marine engineering projects.

The company has six drydocks varying in dimensions from 240 to 510 m long and 40 to 120 m wide. It also boasts a maximum single-lift capacity of 800 tonnes, alongside extensive yard areas and diverse facilities and equipment, which together facilitate the capability of constructing and shipping modules of around 10,000 tonnes.

These facilities will further expand WNE's production and construction scale, ensuring that the company can fulfill the demands of forthcoming contracts, as it will enhance the company's proficiency in fabricating large and mega-scale FLNG, FPSO, FSRUs, and other floating facilities, it said. ■

Crown appoints IKM for Grangemouth project

Crown LNG Holdings, a developer of LNG liquefaction and regasification terminal technologies for harsh weather locations, has contracted engineering & environmental consultancy IKM, to design and engineer its planned Scottish FLNG import terminal project.

The company said that this appointment represents a critical milestone on its way towards a final investment decision (FID) for the Grangemouth terminal.

The Grangemouth project, located on the River Forth, seeks to support the UK's increasing drive for energy security post-Brexit and in the context of geopolitical impacts on energy markets, Crown said.

Currently, the UK relies on just three facilities for the whole of the country's LNG imports, which increased 74% between 2021 and 2022.

IKM's mandate will include the pre-FEED and FEED (front-end engineering and design) phases, including project management and execution planning. Specific services to be provided include - consenting; overall process design; facility layout optimisation; detailed engineering; and procurement support.

"After a rigorous review process of some of the most widely known and respected civil and structural engineering consultancies in the UK, we are pleased to announce the selection of IKM, part of the Global Energy Group, as our engineering partner," Swapan Kataria, Crown LNG CEO said.

"With an existing presence in Grangemouth and extensive experience across water and energy infrastructure, they have the unique capability to support the development and completion of the project safely, effectively and efficiently.

"Their partnership will help to advance our efforts toward FID for this critical project and expand the UK's energy security through enhanced access to reliable natural gas supplies," he said.

A site study for its location and LNGC access has been completed, and Crown will progress immediately with the consenting process with the Scottish and UK Governments.

Existing power grid and gas grid access is available within 10 miles of the proposed site location. Crown confirmed it will employ an FSRU for the project.

"IKM are pleased to be supporting Crown LNG's major investment in the Scottish economy. The project will provide a critical step in the transition to a low carbon economy and provide energy, infrastructure and jobs both in Fife and Grangemouth," added Ian Maclachlan, IKM's founder. ■

NEWS NUDGE

Venture Global raises cash

Last week, Venture Global LNG closed its offering of $1.5 bill 7% senior secured notes, due to mature on 15th January, 2030 and issued at par.

They are secured on a pari passu basis by a first-priority security interest in substantially all of the existing and future assets of Venture Global and the future guarantors, if any, subject to customary exclusions.

The notes were not registered under the US Securities Act of 1933, as amended or the securities laws of any state or other jurisdictions, and the notes may not be offered or sold in the US absent registration under the Securities Act or an applicable exemption from the registration requirements of the Securities Act.

Massive module heads to Arctic LNG 2

Russian oil and gas developer, Novatek, floated a second module for Arcic LNG 2 the world's largest floating LNG facility at the Belokamenka shipyard near Murmansk on 25th July.

Novatek's Arctic LNG 2 project will utilise huge concrete platforms to house each production line.

The module measured 300 m x 128 m and weighed 540,000 tonnes.

The tow from Kola Bay to the Ultrenney terminal on the Gydan Peninsula, a distance of 1,300 nautical miles, started under a heavy military presence, both at sea and in the air.

At least two Russian Federal Security Services' (FSB) patrol vessels and aircraft will accompany the platform's voyage into the Arctic, which is expected to take around three weeks.

Qalhat to have new train

Oman is to build a new liquefaction train at the Qalhat industrial complex in Sur.

With an annual production capacity of 3.8 mill tonnes, the new train will lift Oman's LNG production capacity to 15.2 mill tonnes per year, according to an Oman news agency report, quoting the Omani Ministry of Energy and Minerals.

Its construction is expected to be completed and operational by 2029, according to the report.

The government will complete the initial engineering design study for the new LNG train, which is expected to pave the way for making a final investment decision (FID).

LNG cargo tenders

Egypt, which recently awarded 20 LNG import cargoes, has recently tendered for five for delivery in August and September.

Three cargoes are for Ain Sukhna discharge between 13th and 14th August, 25th and 26th August and 12th and 13th September.

The other two are for Aqaba discharge on 3rd and 4th and 22nd and 23rd September.

India's Petronet has tendered for one cargo for Dahej discharge between 10th and 24th September.

Elsewhere, Turkey is to finalise LNG long-term contracts to cover the 2027/2037 period, Energy Minister, Alparslan Bayraktar said in a local broadcast.

They will be aimed at securing around 5-6 bill cu m of LNG annually to meet 12-13% of Turkey's energy needs.

Turkey consumes over 50 bill cu m of gas per year.

Russian long-term supply contracts expire in 2025, and in late April, Bayraktar announced the formation of a new portfolio of Turkish gas contracts with global suppliers, including Algeria, Qatar, Nigeria and the US.

South Korea's POSCO International was thought to be seeking six cargoes either on a free-on-board (FOB), or a delivered ex-ship (DES) basis.

The cargoes are to be loaded from April, 2025 to August, 2026 FOB, or September, 2025 to August 2026 on a DES basis. ■

Renewed Wärtsilä maintenance agreement for 10 LNGCs

Finnish-based technology group Wärtsilä has signed a 16-year Lifecycle Agreement with Seapeak Maritime (Glasgow), one of the largest independent LNGC owner/operators.

The contract covers 10 LNGCs and is an extension of an earlier lifecycle agreement for these vessels.

The global demand for LNG is rising, and is expected to continue to rise over the coming years, which is driving a need for fewer maintenance interventions in LNGCs in operation.

This is key as the vessels under this service agreement operate in a highly dynamic and fast-moving market environment, with ongoing challenges around predicting vessel schedules and voyage times.

The new agreement, which is based on 72,000 running hours, is designed to increase the engines' time between overhauls to 30,000 operating hours.

"We are focused on improving performance and optimising our fleet's maintenance concept. This is why we have entered into this new agreement with Wärtsilä, as a trusted support provider. This agreement goes beyond what we had before and will take us into a new era of maintenance efficiency," says Michael McNaul, Seapeak's Fleet Manager.

The agreement includes remote 24/7 operational support from Wärtsilä experts, dynamic maintenance planning, Wärtsilä's predictive maintenance service Expert Insight, scheduled spare parts, and field service for larger and more complex issues.

Wärtsilä will also provide a full-time contract manager in Seapeak's Glasgow office.

Wärtsilä's Expert Insight is a predictive maintenance service that combines artificial intelligence (AI) techniques and advanced diagnostics with Wärtsilä's OEM expertise to identify anomalous behaviour.

It pro-actively identifies and highlights potential failures and early indications of equipment deterioration.

"Optimal maintenance procedures for the ship's engines and equipment add considerable value through enhanced efficiency and reduced operating costs. Wärtsilä's lifecycle support approach, as illustrated by our tailored maintenance agreements, is a central pillar in our efforts to increase efficiencies and add greater sustainability to our customers' operations," added Andrea Morgante, Vice President, Performance Service at Wärtsilä Marine.

This latest agreement took effect from January, 2024. ■

A Seapeak LNGC

NEWS NUDGE

Ships - Newbuildings, deliveries

MISC has ordered two 174,000 cu m LNGCs from Samsing Heavy Industries.

They are being built under a timecharter to parent Petronas and are due for delivery in 2027.

The latest LNGC to join the GasLog fleet, 'GasLog Italy', was named on 10th July at Hanwha Ocean shipyard in Geoje, South Korea.

Her delivery is scheduled for 23rd August.

This vessel is one of four LNGCs currently being built by Hanwha Ocean for GasLog, each with a cargo capacity of 174,000 cu m, and scheduled for delivery between 2024 and 2025.

She is fitted with two HP-25 MEGI engines.

Maran Gas celebrated the naming of two more newbuilding LNGCs at Samsung Heavy Industries' Geoje Island shipyard last month.

The 'Maran Gas Nice' and the 'Maran Gas Antibes' are classed by Bureau Veritas and incorporate air lubrication systems, shaft generators, an LNG sub-cooler and a new propulsion engine type that reduces methane slip.

They will be chartered by TotalEnergies once delivered. ■

Monthly Large LNGC Values*

Newbuildings (174,000 cu m)	$269.91 mill
Five years old (174,000 cu m)	$233.68 mill
Total Fleet (604 ships)	$103.10 bill
Orderbook (375 ships)	$104.71 bill

**Source: VesselsValue (24/07/24)*

**The above is updated each month courtesy of VesselsValue*

LNG rate assessments

Spot market (155,000-165,000 cu m)

Region	This week	Change*
East of Suez	$58,000	+$8,000
West of Suez	$54,000	-$11,000
12 mos T/C	$61,000	-

**Since last report (18/07/24)* *Source: Fearnleys (31/07/24)*

WORLD LNG CARRIER ORDERBOOK

Name	Owners	Yard	Capacity	Propulsion	Ordered Date	Delivery Date
Apostolos	Capital Gas	Hyundai Heavy	174,000	ME-GA	01/11/2021	01/07/2024
North Light	MOL	Hanwha Ocean	174,000	ME-GA	01/09/2021	01/07/2024
Ilya Mechnikov	MOL, COSCO	Hanwha Ocean	172,500	TFDE - Azipod	01/08/2020	01/07/2024
Venture Bayou	JP Morgan	Samsung	174,000	ME-GA	01/12/2021	01/07/2024
Celsius Greenwich	Celsius Shipping	Samsung	180,000	ME-GA	01/08/2021	01/07/2024
Nikolay Basov	MOL, COSCO	Hanwha Ocean	172,500	TFDE - Azipod	01/08/2020	01/07/2024
Daewoo 2524	MOL	Hanwha Ocean	174,000	ME-GA	01/09/2021	01/07/2024
Daewoo 2527	MOL	Hanwha Ocean	174,000	ME-GA	01/10/2021	01/07/2024
Daewoo 2528	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/11/2021	01/08/2024
Pyotr Stolypin	Smart LNG	Zvezda SSK	172,600	TFDE - Azipod	01/09/2019	01/08/2024
Alexey Kosygin	Smart LNG	Zvezda SSK	172,600	TFDE - Azipod	01/09/2019	01/08/2024
Nantes Knutsen	Knutsen	Hyundai Samho	174,000	ME-GA	01/12/2020	01/08/2024
Celsius Grenada	Celsius Shipping	Samsung	180,000	ME-GA	01/08/2021	01/08/2024
Gaslog Italy	GasLog	Hanwha Ocean	174,000	MEGI	01/01/2022	01/08/2024
Athos Lng	TMS Cardiff Gas	Samsung	174,000	ME-GA	01/04/2022	01/08/2024
Sergei Witte	Smart LNG	Zvezda SSK	172,600	TFDE - Azipod	01/09/2019	01/08/2024
Daewoo 2525	MOL	Hanwha Ocean	174,000	ME-GA	01/09/2021	01/08/2024
Kool Tiger	Cool Co	Hyundai Samho	174,000	ME-GA	01/06/2022	31/08/2024
Orion Iris	JP Morgan	Samsung	174,000	ME-GA	01/10/2021	01/09/2024
Samsung 2474	Maran Gas Maritime	Samsung	174,000	XDF	01/05/2021	01/09/2024
Maran Gas Nice	Maran Gas Maritime	Samsung	174,000	XDF	01/05/2021	01/09/2024
Rex Tillerson	MOL, COSCO	Hudong-Zhonghua	175,000	XDF	01/10/2021	01/09/2024
Lev Landau	Hanwha Ocean	Hanwha Ocean	172,500	TFDE - Azipod	01/08/2020	01/09/2024
Zhores Alferov	Hanwha Ocean	Hanwha Ocean	172,500	TFDE - Azipod	01/08/2020	01/09/2024
Pyotr Kapitsa	Hanwha Ocean	Hanwha Ocean	172,500	TFDE - Azipod	01/08/2020	01/09/2024
Marvel Phoenix	GasLog	Hanwha Ocean	174,000	MEGI	01/01/2022	01/09/2024
Marvel Dove	SK Shipping	Hyundai Samho	174,000	ME-GA	01/01/2022	01/09/2024
New Brave	Pan Ocean	Hyundai Heavy	174,000	XDF	01/12/2020	01/09/2024
Daewoo 2536	MOL	Hanwha Ocean	174,000	ME-GA	01/01/2022	01/10/2024
North Valley	MOL	Hanwha Ocean	174,000	ME-GA	01/09/2021	01/10/2024
Id'asah	JP Morgan	Samsung	174,000	ME-GA	01/10/2021	01/10/2024
New Nature	Pan Ocean	Hyundai Heavy	174,000	XDF	01/12/2020	01/10/2024
New Green	Pan Ocean	Hyundai Heavy	174,000	ME-GA	01/07/2021	01/10/2024
Daewoo 2529	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/11/2021	01/11/2024
Samsung 2604	NYK	Samsung	174,000	XDF	01/12/2021	01/11/2024
Orion Sinead	JP Morgan	Hyundai Heavy	174,000	XDF	01/12/2020	01/11/2024
Puteri Mahsuri	Hyundai LNG Shipping	Hyundai Heavy	174,000	XDF	01/07/2021	01/11/2024
Kool Panther	Cool Co	Hyundai Samho	174,000	ME-GA	01/06/2022	01/12/2024
Umm Ghuwailina	MOL, COSCO	Hudong-Zhonghua	175,000	XDF	01/10/2021	01/12/2024
Lng Ping Hu	Zhejiang Huaxiang	Jiangsu Yixiang	78,900	XDF	01/07/2023	01/12/2024
Umm Swayyah	H-Line, Pan Ocean, SK Shipping	Hanwha Ocean	74,000	ME-GA	01/06/2022	01/12/2024
Samsung 2603	H-Line, Pan Ocean, SK Shipping	Samsung	174,000	ME-GA	01/01/2022	01/12/2024
Samsung 2602	H-Line, Pan Ocean, SK Shipping	Samsung	174,000	ME-GA	01/01/2022	01/12/2024
Nuaijah	H-Line, Pan Ocean, SK Shipping	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/12/2024
New Oasis	Pan Ocean	Hyundai Heavy	174,000	ME-GA	01/07/2021	01/12/2024
Samsung 2597	JP Morgan	Samsung	174,000	ME-GA	01/10/2021	01/12/2024
Jiangnan H2700	ADNOC	Jiangnan	175,000	XDF	01/03/2022	01/01/2025
Josef Pilsudski	Knutsen	Hyundai Samho	174,000	ME-GA	01/03/2022	01/01/2025
Samsung 2595	JP Morgan	Samsung	174,000	ME-GA	01/10/2021	01/01/2025
Samsung 2601	JP Morgan	Samsung	174,000	ME-GA	01/12/2021	01/01/2025
Lebrethah	H-Line, Pan Ocean, SK Shipping	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/01/2025

DFDE = dual fuel diesel engines, STRH = steam turbine reheat / ultra steam turbine, MEGI = marine electric gas injection,
DRL = slow speed diesel, FSRU = vessel with regas capacity, FLNG = floating LNG production unit
Data last updated = 29 July 2024

Fearnley LNG

Name	Owners	Yard	Capacity	Propulsion	Ordered Date	Delivery Date
Samsung 2598	Celsius Shipping	Samsung	180,000	ME-GA	01/12/2021	01/01/2025
Al-kheesah	Pan Ocean, SK Shipping, H-Line	Samsung	174,000	ME-GA	01/09/2022	01/01/2025
Puteri Mayang	Hyundai LNG Shipping	Hyundai Heavy	174,000	XDF	01/07/2021	01/01/2025
Samsung 2612	Pan Ocean, SK Shipping, H-Line	Samsung	174,000	ME-GA	01/09/2022	01/02/2025
Puteri Sabah	SK Shipping	Hyundai Heavy	174,000	ME-GA	01/05/2022	01/02/2025
Al-kharrarah	H-Line, Pan Ocean, SK Shipping	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/02/2025
Daewoo 2559	SK Shipping, Pan Ocean, H-Line	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/02/2025
Venture Acadia	Venture Global LNG	Hanwha Ocean	174,000	MEGI	01/11/2021	01/03/2025
Ignacy Jan Paderewski	Knutsen	Hyundai Samho	174,000	ME-GA	01/03/2022	01/03/2025
Hudong-zhonghua H1792a	MOL, COSCO	Hudong-Zhonghua	175,000	XDF	01/10/2021	01/03/2025
Al-slaimi	H-Line, Pan Ocean, SK Shipping	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/03/2025
Puteri Sarawak	SK Shipping	Hyundai Heavy	174,000	ME-GA	01/05/2022	01/03/2025
Hudong-zhonghua H1836a	ULT	Hudong-Zhonghua	174,000	XDF	01/12/2021	01/03/2025
Clean Mistral	Dynagas	Hyundai Heavy	200,000	ME-GA	01/03/2022	01/03/2025
Hl Alyssa Warner	H-Line	Samsung	174,000	ME-GA	01/02/2022	01/03/2025
Hyundai Samho 8049	NYK	Hyundai Samho	174,000	XDF	01/08/2022	01/03/2025
Samsung 2634	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/04/2025
HL Fortuna	H-Line	Hyundai Samho	174,000	XDF	01/01/2022	01/04/2025
Clean Levant	Dynagas	Hyundai Heavy	200,000	ME-GA	01/03/2022	01/04/2025
Venture Creole	Venture Global LNG	Hanwha Ocean	174,000	MEGI	01/11/2021	01/05/2025
Mareekh	Knutsen	Hyundai Heavy	174,000	XDF	01/06/2022	01/05/2025
Hudong-zhonghua H1793a	MOL, COSCO	Hudong-Zhonghua	175,000	XDF	01/10/2021	01/05/2025
Samsung 2599	Celsius Shipping	Samsung	180,000	ME-GA	01/12/2021	01/05/2025
Hl Edward Austin	H-Line	Samsung	174,000	ME-GA	01/02/2022	01/05/2025
Daewoo 2561	Pan Ocean, SK Shipping, H-Line	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/05/2025
Jiangnan H2701	ADNOC	Jiangnan	175,000	XDF	01/03/2022	01/05/2025
Wadi Al Syl	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/06/2025
Mesaieed	Knutsen	Hyundai Heavy	174,000	XDF	01/06/2022	01/06/2025
Hl Sea Eagle	H-Line	Samsung	174,000	ME-GA	01/02/2022	01/06/2025
Daewoo 2562	SK Shipping, Pan Ocean, H-Line	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/06/2025
Zoe Knutsen	Knutsen	Hyundai Samho	174,000	ME-GA	01/07/2021	01/07/2025
Hyundai Samho 8188	SK Shipping	Hyundai Samho	174,000	ME-GA	01/05/2022	01/07/2025
Daewoo 2541	Venture Global LNG	Hanwha Ocean	200,000	ME-GA	01/03/2022	01/07/2025
Samsung 2637	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/07/2025
Orion Hugo	JP Morgan	Hyundai Heavy	174,000	ME-GA	01/07/2021	01/07/2025
Samsung 2631	H-Line	Samsung	174,000	ME-GA	01/05/2022	01/07/2025
Daewoo 2534	GasLog	Hanwha Ocean	174,000	MEGI	01/01/2022	01/08/2025
Hyundai Ulsan 3395	K-Line, MISC, NYK, China LNG Shipping	Hyundai Heavy	174,000	XDF	01/08/2022	01/08/2025
Nikolay Semenov	MOL, COSCO	Hanwha Ocean	172,500	TFDE - Azipod	01/08/2020	01/08/2025
Samsung 2638	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/08/2025
Hyundai Samho 8189	SK Shipping	Hyundai Samho	174,000	ME-GA	01/05/2022	01/08/2025
Hudong-zhonghua H1881a	MOL	Hudong-Zhonghua	174,000	XDF	01/01/2022	01/08/2025
Daewoo 2566	Meiji Shipping	Hanwha Ocean	174,000	XDF	01/09/2022	01/08/2025
Sea Spirit	China Merchant	Dalian Shipbuilding	175,000	XDF	01/04/2022	01/09/2025
Daewoo 2537	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/01/2022	01/09/2025
Al Zour	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/09/2025
Orion Gauguin	JP Morgan	Hyundai Heavy	174,000	ME-GA	01/07/2021	01/09/2025
Hudong-zhonghua H1797a	K-Line, MISC, NYK, China LNG Shipping	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/09/2025
Samsung 2640	JP Morgan	Samsung	174,000	ME-GA	01/09/2022	01/09/2025
Daewoo 2550	MOL	Hanwha Ocean	174,000	ME-GA	01/04/2022	01/09/2025
Hl Puffin	H-Line	Samsung	174,000	ME-GA	01/02/2022	01/09/2025

DFDE = dual fuel diesel engines, STRH = steam turbine reheat / ultra steam turbine, MEGI = marine electric gas injection,
DRL = slow speed diesel, FSRU = vessel with regas capacity, FLNG = floating LNG production unit
Data last updated = 29 July 2024

Fearnley LNG

Name	Owners	Yard	Capacity	Propulsion	Ordered Date	Delivery Date
Samsung 2639	JP Morgan	Samsung	174,000	ME-GA	01/09/2022	01/09/2025
Daewoo 2567	Meiji Shipping	Hanwha Ocean	174,000	XDF	01/09/2022	01/09/2025
Jiangnan H2702	ADNOC	Jiangnan	175,000	XDF	01/05/2022	01/09/2025
Daewoo 2542	Venture Global LNG	Hanwha Ocean	200,000	ME-GA	01/03/2022	01/10/2025
Hyundai Samho 8181	Knutsen	Hyundai Samho	174,000	ME-GA	01/04/2022	01/10/2025
Samsung 2619	Celsius Shipping	Samsung	180,000	ME-GA	01/03/2022	01/10/2025
Hyundai Samho 8174	NYK	Hyundai Samho	174,000	XDF	01/08/2022	01/10/2025
Hudong-zhonghua H1882a	MOL	Hudong-Zhonghua	174,000	XDF	01/01/2022	01/10/2025
Hudong-zhonghua H1892A	COSCO	Hudong-Zhonghua	174,000	XDF	01/07/2022	01/10/2025
Daewoo 2539	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/02/2022	01/11/2025
Daewoo 2538	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/01/2022	01/11/2025
Bw Nivalis	BWGas	Hanwha Ocean	174,000	MEGI	01/04/2022	01/11/2025
Hudong-zhonghua H1798a	K-Line, MISC, NYK, China LNG Shipping	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/11/2025
Samsung 2651	Celsius Shipping	Samsung	180,000	ME-GA	01/10/2022	01/11/2025
Samsung 2641	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/11/2025
Jiangsu Yangzi Xinfu YZJ2022-1475	Hammonia Reederei	Yangzijiang	175,000	ME-GA	01/10/2022	01/11/2025
Hudong-zhonghua H1908a	ULT	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/11/2025
Dalian No 1 G175k-3	China Merchant	Dalian Shipbuilding	175,000	XDF	01/09/2022	01/11/2025
Daewoo 2564	Pan Ocean, SK Shipping, H-Line	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/11/2025
Daewoo 2563	H-Line, Pan Ocean, SK Shipping	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/11/2025
Daewoo 2540	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/02/2022	01/12/2025
Bw Borealis	BWGas	Hanwha Ocean	174,000	MEGI	01/04/2022	01/12/2025
Daewoo 2535	GasLog	Hanwha Ocean	174,000	MEGI	01/01/2022	01/12/2025
Hyundai Ulsan 3396	K-Line, MISC, NYK, China LNG Shipping	Hyundai Heavy	174,000	XDF	01/08/2022	01/12/2025
Hudong-zhonghua H1909a	ULT	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/12/2025
Dalian No 1 G175k-2	China Merchant	Dalian Shipbuilding	175,000	XDF	01/04/2022	01/12/2025
Clean Srocco	Dynagas	Hyundai Heavy	200,000	ME-GA	01/03/2022	01/12/2025
Daewoo 2543	Venture Global LNG	Hanwha Ocean	200,000	ME-GA	01/03/2022	01/12/2025
Samsung 2632	H-Line	Samsung	174,000	ME-GA	01/05/2022	01/12/2025
DAEWOO 2570	MISC	Hanwha Ocean	174,000	XDF	01/09/2022	01/01/2026
Archimidis	Capital Gas	Hyundai Samho	174,000	ME-GA	01/06/2022	01/01/2026
Agamemnon	Capital Gas	Hyundai Samho	174,000	ME-GA	01/06/2022	01/01/2026
Al Udeid	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/01/2026
Hyundai Ulsan 3397	K-Line, MISC, NYK, China LNG Shipping	Hyundai Heavy	174,000	XDF	01/08/2022	01/01/2026
Samsung 2642	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/01/2026
Hyundai Samho 8182	TMS Cardiff Gas	Hyundai Samho	174,000	XDF	01/10/2022	01/01/2026
Dalian No 1 G175k-4	China Merchant	Dalian Shipbuilding	175,000	XDF	01/09/2022	01/01/2026
Jiangnan H2703	ADNOC	Jiangnan	175,000	XDF	01/05/2022	01/01/2026
Samsung 2633	H-Line	Samsung	174,000	ME-GA	01/05/2022	01/01/2026
Barzan	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/02/2026
Hudong-zhonghua H1799a	K-Line, MISC, NYK, China LNG Shipping	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/02/2026
Samsung 2652	Minerva Marine	Samsung	174,000	ME-GA	01/11/2022	01/02/2026
Samsung 2643	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/02/2026
Daewoo 2565	Pan Ocean, SK Shipping, H-Line	Hanwha Ocean	174,000	ME-GA	01/06/2022	01/02/2026
Samsung 2653	Minerva Marine	Samsung	174,000	ME-GA	01/11/2022	01/03/2026
Hyundai Samho 8200	TMS Cardiff Gas	Hyundai Samho	174,000	XDF	01/07/2022	01/03/2026
China Merchants Jiangsu Cmhi-282-01	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/05/2023	01/03/2026
Samsung 2636	TMS Cardiff Gas	Samsung	174,000	ME-GA	01/04/2022	01/03/2026

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DRL = slow speed diesel, FSRU = vessel with regas capacity, FLNG = floating LNG production unit
Data last updated = 29 July 2024

Name	Owners	Yard	Capacity	Propulsion	Ordered Date	Delivery Date
Hudong-zhonghua H1883a	MOL	Hudong-Zhonghua	174,000	XDF	01/01/2022	01/03/2026
Hudong-zhonghua H1893A	COSCO	Hudong-Zhonghua	174,000	XDF	01/07/2022	01/03/2026
Clean Texas	Dynagas	Hyundai Heavy	200,000	XDF	01/01/2023	01/04/2026
Hyundai Ulsan 3386	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/04/2026
Samsung 2644	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/04/2026
Daewoo 2572	TMS Cardiff Gas	Hanwha Ocean	174,000	ME-GA	01/09/2022	01/04/2026
DAEWOO 2571	MISC	Hanwha Ocean	174,000	XDF	01/09/2022	01/05/2026
Daewoo 2552	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/06/2022	01/05/2026
Hyundai Ulsan 3387	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/05/2026
Hudong-zhonghua H1800a	K-Line, MISC, NYK, China LNG Shipping	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/05/2026
Hyundai Samho 8204	Oman Shipping Co.	Hyundai Samho	174,000	XDF	01/01/2023	01/05/2026
Samsung 2664	K-Line	Samsung	174,000	ME-GA	31/03/2023	01/05/2026
Jiangsu Yangzi Xinfu YZJ2022-1476	Hammonia Reederei	Yangzijiang	175,000	ME-GA	01/10/2022	01/05/2026
Daewoo 2553	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/06/2022	01/06/2026
Hyundai Ulsan 3393	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/06/2026
Hyundai Samho 8205	Oman Shipping Co.	Hyundai Samho	174,000	XDF	01/01/2023	01/06/2026
Samsung 2645	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/06/2026
Hudong-zhonghua H1884a	MOL	Hudong-Zhonghua	174,000	XDF	01/01/2022	01/06/2026
Daewoo 2568	Meiji Shipping	Hanwha Ocean	174,000	XDF	01/09/2022	01/06/2026
Jiangnan H2704	ADNOC	Jiangnan	175,000	XDF	01/05/2022	01/06/2026
Hyundai Ulsan 3394	Knutsen	Hyundai Heavy	174,000	XDF	01/07/2022	01/07/2026
Hudong-zhonghua H1801a	K-Line, MISC, NYK, China LNG Shipping	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/07/2026
Hyundai Ulsan 3398	K-Line, MISC, NYK, China LNG Shipping	Hyundai Heavy	174,000	XDF	01/08/2022	01/07/2026
Clean Rio Grande	Dynagas	Hyundai Heavy	200,000	XDF	01/01/2023	01/07/2026
Clean Brownsville	Dynagas	Hyundai Heavy	200,000	XDF	01/01/2023	01/07/2026
Daewoo 2573	TMS Cardiff Gas	Hanwha Ocean	174,000	ME-GA	01/09/2022	01/07/2026
China Merchants Jiangsu Cmhi-282-02	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/05/2023	01/07/2026
Samsung 2646	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/07/2026
Jiangnan H2716	Shandong Marine	Jiangnan	175,000		01/03/2023	01/08/2026
Hyundai Samho 8201	TMS Cardiff Gas	Hyundai Samho	174,000	XDF	01/07/2022	01/08/2026
Hudong-zhonghua H1886a	NYK	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/08/2026
Dalian No 1 G175K-5	China Merchant	Dalian Shipbuilding	175,000	XDF	01/03/2023	01/08/2026
Samsung 2647	JP Morgan	Samsung	174,000	ME-GA	01/06/2022	01/08/2026
Daewoo 2574	Venture Global LNG	Hanwha Ocean	174,000	MEGI	01/03/2023	01/09/2026
Alcaios I	Capital Gas	Hyundai Samho	174,000	ME-GA	01/01/2023	01/09/2026
Hyundai Ulsan 3399	K-Line, MISC, NYK, China LNG Shipping	Hyundai Heavy	174,000	XDF	01/08/2022	01/09/2026
Samsung 2687	MOL	Samsung	174,000	ME-GA	01/11/2023	01/09/2026
Daewoo 2558	MOL	Hanwha Ocean	174,000	ME-GA	01/09/2022	01/09/2026
Daewoo 2551	MOL	Hanwha Ocean	174,000	ME-GA	01/04/2022	01/09/2026
Samsung 2316	SinoKor	Samsung	173,400	ME-GA	01/12/2019	01/09/2026
Samsung 2662	MOL	Samsung	174,000	ME-GA	20/01/2023	01/09/2026
Hudong-zhonghua H1885a	MOL	Hudong-Zhonghua	174,000	XDF	01/01/2022	01/09/2026
Daewoo 2569	Meiji Shipping	Hanwha Ocean	174,000	XDF	01/09/2022	01/09/2026
Jiangnan H2705	ADNOC	Jiangnan	175,000	XDF	01/05/2022	01/09/2026
Samsung 2693	Shandong Marine	Samsung	174,000	XDF	06/02/2024	01/10/2026
Hudong-zhonghua H1887a	NYK	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/10/2026
Dalian No 1 G175K-6	China Merchant	Dalian Shipbuilding	175,000	XDF	01/03/2023	01/10/2026
Hudong-zhonghua H1894a	K-Line	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/10/2026

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DRL = slow speed diesel, FSRU = vessel with regas capacity, FLNG = floating LNG production unit
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Fearnley LNG

Name	Owners	Yard	Capacity	Propulsion	Ordered Date	Delivery Date
Antaios I	Capital Gas	Hyundai Samho	174,000	ME-GA	01/01/2023	01/11/2026
Samsung 2694	China Merchant	Samsung	174,000	XDF	06/02/2024	01/11/2026
Hanwha Ocean 2585	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/11/2026
Samsung 2665	K-Line	Samsung	174,000	ME-GA	31/03/2023	01/11/2026
China Merchants Jiangsu Cmhi-282-03	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/05/2023	01/11/2026
Daewoo 2576	MOL	Hanwha Ocean	174,000	ME-GA	01/12/2022	01/12/2026
Daewoo 2575	Venture Global LNG	Hanwha Ocean	174,000	MEGI	01/03/2023	01/12/2026
Hanwha Ocean 2586	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/12/2026
Jiangnan H2717	Shandong Marine	Jiangnan	175,000		01/03/2023	01/12/2026
Hyundai Ulsan 3400	K-Line, MISC, NYK, China LNG Shipping	Hyundai Heavy	174,000	XDF	01/08/2022	01/12/2026
Hyundai Ulsan 3401	K-Line, MISC, NYK, China LNG Shipping	Hyundai Heavy	174,000	XDF	01/08/2022	01/12/2026
Samsung 2695	Shandong Marine	Samsung	174,000	XDF	06/02/2024	01/12/2026
Hyundai Samho 8262	Nakilat	Hyundai Samho	174,000	XDF	09/01/2024	01/12/2026
Daewoo 2579	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/10/2022	01/12/2026
Hyundai Samho 8208	NYK	Hyundai Samho	174,000	XDF	01/02/2023	01/12/2026
Hudong-zhonghua H1888a	NYK	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/12/2026
Dalian No 1 G175K-7	China Merchant	Dalian Shipbuilding	175,000	XDF	01/03/2023	01/12/2026
Hudong-zhonghua H1895a	K-Line	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/12/2026
Dalian No 1 G175k-12	Wah Kwong, China Gas, CSSC	Dalian Shipbuilding	175,000	XDF	21/08/2023	01/01/2027
Hd Hyundai Ulsan 3476	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/01/2027
Samsung 2663	MOL	Samsung	174,000	ME-GA	20/01/2023	01/01/2027
Hanwha Ocean 2584	MOL	Hanwha Ocean	174,000	ME-GA	01/08/2023	31/01/2027
Athlos	Capital Gas	Hyundai Samho	174,000	ME-GA	01/03/2023	01/02/2027
Samsung 2696	China Merchant	Samsung	174,000	XDF	06/02/2024	01/02/2027
Hanwha Ocean 2594	K-Line, Hyundai Glovis	Hanwha Ocean	174,000	XDF	01/06/2024	01/02/2027
Hanwha Ocean 2593	K-Line, Hyundai Glovis	Hanwha Ocean	174,000	XDF	01/06/2024	01/02/2027
Hudong-zhonghua H1794A	MOL, COSCO	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/02/2027
Hd Hyundai Ulsan 3477	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/02/2027
DALIAN NO 1 G175K-8	China Merchant	Dalian Shipbuilding	175,000	XDF	01/03/2023	01/02/2027
Hd Hyundai Ulsan 3441	NYK	Hyundai Heavy	174,000	ME-GA	28/04/2023	01/03/2027
Hanwha Ocean 2580	MOL	Hanwha Ocean	174,000	ME-GA	01/02/2023	01/03/2027
Archon	Capital Gas	Hyundai Samho	174,000	ME-GA	01/03/2023	01/03/2027
Dalian No 1 G175K-9	China Gas, Wah Kwong, Fortune Clean Energy	Dalian Shipbuilding	174,000	XDF	12/03/2024	01/03/2027
Hudong-zhonghua H1889a	NYK	Hudong-Zhonghua	174,000	XDF	01/04/2022	01/03/2027
Samsung 2656	Seapeak	Samsung	174,000	ME-GA	01/11/2022	01/03/2027
Samsung 2317	SinoKor	Samsung	173,400	ME-GA	01/12/2019	01/03/2027
China Merchants Jiangsu Cmhi-282-04	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/05/2023	01/03/2027
Cosco 1	COSCO	Dalian Shipbuilding	175,000		31/08/2023	01/03/2027
Hudong-zhonghua H1896a	K-Line	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/03/2027
Hanwha Ocean 2581	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/04/2023	01/04/2027
Samsung 2697	Shandong Marine	Samsung	174,000	XDF	06/02/2024	01/04/2027
Hd Hyundai Ulsan 3454	Evalend Shipping	Hyundai Heavy	174,000	XDF	02/08/2023	01/04/2027
Hd Hyundai Ulsan 3478	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/04/2027
Hanwha Ocean 2595	K-Line, Hyundai Glovis	Hanwha Ocean	174,000	XDF	01/06/2024	01/05/2027
Hyundai Samho 8263	Nakilat	Hyundai Samho	174,000	XDF	09/01/2024	01/05/2027
Hd Hyundai Ulsan 3479	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/05/2027
Clean Astraeus	Dynagas	Hyundai Heavy	200,000	XDF	01/04/2023	01/05/2027
Samsung 2657	Seapeak	Samsung	174,000	ME-GA	01/11/2022	01/05/2027
Hudong-zhonghua H1890a	NYK	Hudong-Zhonghua	174,000	XDF	01/04/2022	01/05/2027

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DRL = slow speed diesel, FSRU = vessel with regas capacity, FLNG = floating LNG production unit
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Name	Owners	Yard	Capacity	Propulsion	Ordered Date	Delivery Date
Hyundai Samho 8238	NYK	Hyundai Samho	174,000	XDF	01/02/2023	01/05/2027
Hd Hyundai Ulsan 3442	NYK	Hyundai Heavy	174,000	ME-GA	28/04/2023	01/06/2027
Dalian No 1 G175K-10	China Gas, Wah Kwong, Fortune Clean Energy	Dalian Shipbuilding	174,000	XDF	12/03/2024	01/06/2027
Hanwha Ocean 2582	Maran Gas Maritime	Hanwha Ocean	174,000	MEGI	01/04/2023	01/06/2027
Samsung 2698	Shandong Marine	Samsung	174,000	XDF	06/02/2024	01/06/2027
Samsung 2318	SinoKor	Samsung	173,400	ME-GA	01/12/2019	01/06/2027
Cosco 2	COSCO	Dalian Shipbuilding	175,000		31/08/2023	01/06/2027
Hudong-zhonghua H1897a	K-Line	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/06/2027
Hanwha Ocean 2588	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/07/2027
Hanwha Ocean 2587	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/07/2027
Hudong-zhonghua H1795A	MOL, COSCO	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/07/2027
Dalian No 1 G175k-13	Wah Kwong, China Gas, CSSC	Dalian Shipbuilding	175,000	XDF	21/08/2023	01/07/2027
Hd Hyundai Ulsan 3480	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/07/2027
Hyundai Samho 8209	NYK	Hyundai Samho	174,000	XDF	01/02/2023	01/07/2027
Hd Hyundai Ulsan 3443	NYK	Hyundai Heavy	174,000	ME-GA	28/04/2023	01/08/2027
Hanwha Ocean 2583	MOL	Hanwha Ocean	174,000	ME-GA	01/04/2023	01/08/2027
Samsung 2699	China Merchant	Samsung	174,000	XDF	06/02/2024	01/08/2027
Hanwha Ocean 2596	K-Line, Hyundai Glovis	Hanwha Ocean	174,000	XDF	01/06/2024	01/08/2027
Hd Hyundai Ulsan 3481	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/08/2027
Samsung 2658	Seapeak	Samsung	174,000	ME-GA	01/11/2022	01/08/2027
Hd Hyundai Ulsan 3444	NYK	Hyundai Heavy	174,000	ME-GA	01/05/2023	31/08/2027
Hanwha Ocean 2589	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/09/2027
China Merchants Jiangsu Cmhi-282-05	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/02/2024	01/09/2027
Hd Hyundai Ulsan 3482	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/09/2027
Samsung 2659	Seapeak	Samsung	174,000	ME-GA	01/11/2022	01/09/2027
Hanwha Ocean 2590	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/10/2027
Samsung 2700	Shandong Marine	Samsung	174,000	XDF	06/02/2024	01/10/2027
Hd Hyundai Ulsan 3483	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/10/2027
Hudong-zhonghua H1891a	NYK	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/10/2027
Hudong-zhonghua H1898a	COSCO, MOL, ENN	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/10/2027
Hyundai Samho 8239	NYK	Hyundai Samho	174,000	XDF	01/02/2023	01/10/2027
Hanwha Ocean 2951	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/11/2027
Samsung 2701	Shandong Marine	Samsung	174,000	XDF	06/02/2024	01/11/2027
Hd Hyundai Ulsan 3484	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/11/2027
Clean Azeus	Dynagas	Hyundai Heavy	200,000	XDF	01/04/2023	01/11/2027
Samsung 2702	MISC	Samsung	174,000	XDF	06/02/2024	01/12/2027
Hudong-zhonghua H1796A	MOL, COSCO	Hudong-Zhonghua	174,000	XDF	01/09/2022	01/12/2027
Samsung 2668	Chevron	Samsung	174,000	XDF	01/06/2023	01/12/2027
Hd Hyundai Ulsan 3455	Evalend Shipping	Hyundai Heavy	174,000	XDF	02/08/2023	01/12/2027
Hd Hyundai Ulsan 3485	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/12/2027
Samsung 2660	Seapeak	Samsung	174,000	ME-GA	01/11/2022	01/12/2027
Hyundai Samho 8210	NYK	Hyundai Samho	174,000	XDF	01/02/2023	01/12/2027
Hudong-zhonghua H1899a	COSCO, MOL, ENN	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/12/2027
Hanwha Ocean 2592	Nakilat	Hanwha Ocean	174,000	XDF	01/06/2024	01/01/2028
China Merchants Jiangsu Cmhi-282-06	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/05/2024	01/01/2028
HD Hyundai Ulsan 3456	Evalend Shipping	Hyundai Heavy	74,000	XDF	14/11/2023	01/01/2028
Samsung ADNOC 4	ADNOC	Samsung	174,000		01/07/2024	01/02/2028
Samsung 2669	Chevron	Samsung	174,000	XDF	01/06/2023	01/02/2028
Capital Samho 1	Capital Gas	Hyundai Samho	174,000		26/02/2024	01/02/2028
Hudong Qatar 1	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/03/2028

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Fearnley LNG

Name	Owners	Yard	Capacity	Propulsion	Ordered Date	Delivery Date
Samsung 2702	China Merchant	Samsung	174,000	XDF	06/02/2024	01/03/2028
Hd Hyundai Ulsan 3457	Evalend Shipping	Hyundai Heavy	174,000	XDF	14/11/2023	01/03/2028
Hudong-zhonghua H1900a	COSCO, MOL, ENN	Hudong-Zhonghua	174,000	XDF	01/06/2023	01/03/2028
Hd Hyundai Ulsan 3501	Evalend Shipping	Hyundai Heavy	174,000	XDF	03/05/2024	31/03/2028
Samsung ADNOC 3	ADNOC	Samsung	174,000		01/07/2024	01/04/2028
Dalian No 1 G175K-11	China Gas, Wah Kwong, Fortune Clean Energy	Dalian Shipbuilding	174,000	XDF	12/03/2024	01/04/2028
Cosco 3	COSCO	Dalian Shipbuilding	175,000		31/08/2023	01/04/2028
Hanwha ADNOC 4	ADNOC	Hanwha Ocean	174,000		01/07/2024	15/04/2028
Samsung 2704	MISC	Samsung	174,000	XDF	06/02/2024	01/05/2028
Hd Hyundai Ulsan 3502	Evalend Shipping	Hyundai Heavy	174,000	XDF	03/05/2024	01/05/2028
China Merchants Jiangsu Cmhi-282-07	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/05/2024	01/05/2028
Hd Hyundai Ulsan 3486	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/05/2028
Hudong-zhonghua H1901a	CSSC	Hudong-Zhonghua	174,000	XDF	01/05/2023	31/05/2028
Hudong Qatar 2	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/06/2028
Samsung ADNOC 2	ADNOC	Samsung	174,000		01/07/2024	01/06/2028
Samsung 2705	China Merchant	Samsung	174,000	XDF	06/02/2024	01/06/2028
Capital Samho 2	Capital Gas	Hyundai Samho	174,000		26/02/2024	01/06/2028
Hanwha ADNOC 3	ADNOC	Hanwha Ocean	174,000		01/07/2024	15/06/2028
Samsung 2706	MISC	Samsung	174,000	XDF	06/02/2024	01/07/2028
Hd Hyundai Ulsan 3487	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/07/2028
Samsung ADNOC 1	ADNOC	Samsung	174,000		01/07/2024	01/08/2028
Hanwha ADNOC 2	ADNOC	Hanwha Ocean	174,000		01/07/2024	15/08/2028
Hudong Qatar 3	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/09/2028
China Merchants Jiangsu Cmhi-282-08	Celsius Shipping	China Merchants HI Jiangsu	180,000	ME-GA	01/05/2024	01/09/2028
Hd Hyundai Ulsan 3488	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/09/2028
Capital Samho 3	Capital Gas	Hyundai Samho	174,000		26/02/2024	01/09/2028
Hudong-zhonghua H1902a	CSSC	Hudong-Zhonghua	174,000	XDF	01/05/2023	01/09/2028
Samsung 2707	China Merchant	Samsung	174,000	XDF	06/02/2024	01/10/2028
Hanwha ADNOC 1	ADNOC	Hanwha Ocean	174,000		01/07/2024	15/10/2028
Hd Hyundai Ulsan 3489	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/11/2028
Hudong Qatar 4	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/12/2028
Capital Samho 4	Capital Gas	Hyundai Samho	174,000		26/02/2024	01/12/2028
Hudong-zhonghua H1903a	CSSC	Hudong-Zhonghua	174,000	XDF	01/05/2023	01/12/2028
Hudong Qatar 5	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/03/2029
Hd Hyundai Ulsan 3490	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/03/2029
Hudong Qatar 6	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/06/2029
Hd Hyundai Ulsan 3491	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/06/2029
Hudong Qatar 7	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/09/2029
Hd Hyundai Ulsan 3492	Nakilat	Hyundai Heavy	174,000	XDF	01/09/2023	01/09/2029
Hudong Qatar 8	Nakilat	Hudong-Zhonghua	271,000	XDF	12/01/2024	01/12/2029
Hudong Qatar 9	Nakilat	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/01/2030
Hudong Qatar 10	China Merchant	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/03/2030
Hudong Qatar 11	China Merchant	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/05/2030
Hudong Qatar 12	China Merchant	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/07/2030
Hudong Qatar 13	China Merchant	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/09/2030
Hudong Qatar 14	Shandong Marine	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/11/2030
Hudong Qatar 15	Shandong Marine	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/01/2031
Hudong Qatar 16	Shandong Marine	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/03/2031
Hudong Qatar 17	China LNG Shipping	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/05/2031
Hudong Qatar 18	China LNG Shipping	Hudong-Zhonghua	271,000	XDF	29/04/2024	01/07/2031

DFDE = dual fuel diesel engines, STRH = steam turbine reheat / ultra steam turbine, MEGI = marine electric gas injection,
DRL = slow speed diesel, FSRU = vessel with regas capacity, FLNG = floating LNG production unit
Data last updated = 29 July 2024

Fearnley LNG

WORLD SMALL SCALE LNG FLEET*

Built	Name	CBM	Cargo Type	Trading Area	Trading in LNG?	Ship Owner / Operator
1974	Seagas	187	LNG	Sweden	Yes	AGA
1988	Kayoh Maru	1,517	LNG	Japan	Yes	Daiichi
1993	Aman Bintulu	18,928	LNG	Malaysia - Japan	Yes	Perbadanan/NYK
1996	Surya Aki	19,475	LNG	Indonesia - Japan	Yes	MCGC
1997	Aman Sendai	18,928	LNG	Malaysia - Japan	Yes	Perbadanan/NYK
1998	Pelita Energy	18,800	LNG	Malaysia - Japan	Yes	Perbadanan/NYK
2000	Triputra	23,096	LNG	Indonesia - Japan	Yes	MCGC
2003	Pioneer Knutsen	1,100	LNG	Norway	Yes	Knutsen
2003	Shinju Maru No.1	2,540	LNG	Japan	Yes	Shinwa
2005	North Pioneer	2,500	LNG	Japan	Yes	Japan Liquid Gas
2007	Sun Arrows	19,531	LNG	Malaysia - Russia - Japan	Yes	Mitsui
2008	Kakurei Maru	2,536	LNG	Japan	Yes	Hogaki Zosen
2008	Shinju Maru No.2	2,540	LNG	Japan	Yes	Shinwa
2009	Coral Methane	7,551	LNG/LPG/Ethylene	Northwest Europe/Baltics	Yes, sometimes	Anthony Veder
2010	Coral Favia	10,000	LNG/LPG/Ethylene	Worldwide	No	Anthony Veder
2010	Coral Fraseri	10,000	LNG/LPG/Ethylene	Worldwide	No	Anthony Veder
2011	Coral Furcata	10,000	LNG/LPG/Ethylene	Worldwide	No	Anthony Veder
2011	Coral Fungia	10,000	LNG/LPG/Ethylene	Worldwide	No	Anthony Veder
2011	Akebono Maru	3,556	LNG	Japan	Yes	Chuo Kaiun
2011	Titan Vision	12,000	LNG/LPG/Ethylene	Europe	No	Titan LNG
2011	Titan Unikum	12,000	LNG/LPG/Ethylene	Europe	No	Titan LNG
2012	Coral Energy	15,600	LNG	Northwest Europe/Baltics	Yes	Anthony Veder
2013	Coral Anthelia	6,500	LNG/Ethylene			Anthony Veder
2013	JX Energy TBN	2,500	LNG	Japan	Yes	JX Energy
2013	Kakuyu Maru	2,500	LNG	Japan	Yes	Tsurumi Sunmarine
2015	JS Ineos Ingenuity	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2015	JS Ineos Insight	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2015	JS Ineos Intrepid	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2015	LNG Barge TBN	3,000	LNG	US Coast	Yes	LNG America
2015	PetroChina TBN	30,000	LNG	China		PetroChina
2016	Hai Yang Shi You 301	30,000	LNG	Bali FSU	Yes	CETS (CNOOC)
2016	Clean Jacksonville	2,200	LNG	US Coast	Yes	CME
2016	JS Ineos Indepence	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2016	JS Ineos Innvovation	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2016	JS Ineos Inspiration	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2016	LNG Prime	2,250	LNG	Northwest Europe	Yes	Veka Deen LNG
2017	Coralius	5,800	LNG	Northwest Europe/Baltics	Yes, for Skangas	Anthony Veder
2017	Coral EnergICE	18,000	LNG	Northwest Europe/Baltics	Yes	Anthony Veder
2017	Coral Encanto	30,000	LNG	China	Yes	Anthony Veder
2017	JS Ineos Invention	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2017	JS Ineos Intuition	27,500	LNG/Ethylene	Markus Hook - Rafnes	Ethane, for Ineos	Evergas
2017	Oizmendi	600	LNG	Spain	Yes	Itsas Gas
2017	LNG-Gorskaya TBN	7,300	LNG	Russia	Yes	LNG-Gorskaya
2017	LNG-Gorskaya TBN	7,300	LNG	Russia	Yes	LNG-Gorskaya
2017	LNG-Gorskaya TBN	7,300	LNG	Russia	Yes	LNG-Gorskaya
2017	Green Zeebrugge	5,000	LNG	Northwest Europe	Yes	NYK
2017	New Frontier 1	6,500	LNG	Northwest Europe	Yes	Shell
2018	Kairos	7,500	LNG	Baltic	Yes	Bernhard Schulte
2018	LNG London	3,000	LNG	Northwest Europe	Yes	Shell
2018	Shell Bunker Barge TBN 2	6,500	LNG	Northwest Europe	Yes	Shell
2018	Shell Bunker Barge TBN 3	6,500	LNG	Northwest Europe	Yes	Shell
2018	Bunker Breeze	1,200	LNG	Barcelona	Yes	Suardiaz Energy Shipping
2018	HUA XIANG 8	13,720	LNG	China	Yes	Zhejiang Huaxiang
2019	Blue Whale	7,500	LNG	Korea	Yes	Korea Line
2019	Gas Agility	18,600	LNG	NWE	Yes	MOL
2019	Flexfueller 001	1,480	LNG	Amsterdam	Yes	Titan LNG

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Built	Name	CBM	Cargo Type	Trading Area	Trading in LNG?	Ship Owner / Operator
2020	Avenir Advantage	7,500	LNG	Mediterranean	Yes	Avenir LNG
2020	Avenir Accolade	7,500	LNG	Mediterranean	Yes	Avenir LNG
2020	Avenir Aspiration	7,500	LNG		Yes	Avenir LNG
2020	Kaguya	3,500	LNG	Japan	Yes	CLS
2020	CNTIC VPOWER Global	28,000	LNG	Myanmar	Yes	Dalian Inteh Group
2020	Ecobunker Tokyo Bay	2,500	LMG	Japan	Yes	Ecobunkers
2020	Optimus	6,000	LNG	NWE	Yes	Elenger
2020	FueLNG Bellina	7,500	LNG	Singapore	Yes	FuelLNG
2020	SM Jeju LNG2	7,500	LNG	Korea	Yes	Korea Line
2020	Q-LNG 4000	4,000	LNG	US Coast	Yes	Q-LNG Transport / Harvey Gulf
2020	Flexfueller 002	1,480	LNG	Antwerp	Yes	Titan LNG
2021	Avenir Ascension	7,500	LNG		Yes	Avenir LNG
2021	Hai Gang Wei Lai	20,000	LNG	China	Yes	SSES
2021	Bergen LNG	850	LNG	Norway	Yes	Bergen Tankers
2021	Dmitry Mendeleev	5,800	LNG	Russia	Yes	Gazprom Neft
2021	JMU TBN	2,500	LNG	Japan	Yes	JMU
2021	Ravenna Knutsen	30,000	LNG	Mediterranean	Yes	Knutsen OAS
2021	Brassavola	12,000	LNG	Singapore	Yes	MOL
2021	Gas Vitality	18,600	LNG	Mediterranean	Yes	MOL
2021	TG TBN	500	LNG	Korea	Yes	Trans Gas
2021	Titan Hyperion	8,000	LNG	Benelux	Yes	Titan LNG
2022	Xin Ao Pu Tuo Hao	8,500	LNG	China	Yes	ENN
2022	Coral Nordic	30,000	LNG	Worldwide	Yes	Anthony Veder
2022	Avenir Achievement	20,000	LNG	Worldwide	Yes	Avenir LNG
2022	Haugesund Knutsen	5,000	LNG	Spain	Yes	Knutsen OAS
2022	Clean Cañaveral	5,400	LNG	USG	Yes	PNE
2022	K.Lotus	18,000	LNG	Korea	Yes	K Line
2023	Cryopeak TBA	4,000	LNG	West Canada	Yes	Cryopeak
2023	Levante LNG	12,500	LNG	Spain	Yes	Knutsen OAS
2023	SM Jeju LNG3	7,500	LNG	Korea	Yes	Korea Line
2023	New Frontier 2	18,000	LNG	USG	Yes	Shell
2023	Krios	4,200	LNG	Benelux	Yes	Titan LNG
2023	Alice Cosulich	8,000	LNG	Mediterranean	Yes	Fratelli Cosulich
2023	Kanfer TBN	6,000	LNG	Worldwide	Yes	Kanfer Shipping
2023	Kanfer TBN	6,000	LNG	Worldwide	Yes	Kanfer Shipping
2023	Clean Everglades	5,500	LNG	USG	Yes	PNE
2023	FueLNG Venosa	18,000	LNG	Singapore	Yes	FuelLNG
2023	LNG Erasmus	8,000	LNG	NWE	Yes	Shell
2023	Energy Stockholm	8,000	LNG	NWE	Yes	Shell
2024	Coral Evolution	30,000	LNG	Australia	Yes	Anthony Veder ?
2024	Crowley TBN	12,000	LNG	US Coast	Yes	Crowley Maritime
2024	CNOOC TBN	12,000	LNG	China	Yes	CNOOC
2024	TBN	12,500	LNG	Worldwide	Yes	???
2024	Keys TBN	3,500	LNG	Japan	Yes	Keys Bunkering West Japan Co
2024	Seaspan Garbaldi	7,600	LNG	Panama	Yes	Seaspan ULC
2024	Paolina Cosulich	8,000	LNG	Mediterranean	Yes	Fratelli Cosulich
2024	Huaihe Nengyuan Qihang	14,000	LNG	China	Yes	Anhui Changjiang LNG
2024	Keys Azalea	3,500	LNG	Japan	Yes	Keys Bunkering West Japan
2024	Seaspan Lions	7,600	LNG	Canada	Yes	Seaspan ULC
2024	Hai Yang Shi You 302	12,000	LNG	China	Yes	CETS (CNOOC)
2025	Axpo TBN	7,500	LNG	Italy	Yes	Axpo
2025	Seaspan TBN 3	7,600	LNG	Canada	Yes	Seaspan ULC
2026	Avenir TBN (option)	20,000	LNG	Worldwide	Yes	Avenir LNG
2026	ScaleGas TBN	12,500	LNG	Spain	Yes	ScaleGas
2026	Vitol TBN 1	12,500	LNG	Worldwide	Yes	Vitol
2026	Total TBN	18,600	LNG	Worldwide	Yes	Total Energies
2027	Avenir TBN (option)	20,000	LNG	Worldwide	Yes	Avenir LNG
2027	Vitol TBN 2	20,000	LNG	Worldwide	Yes	Vitol

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