



Capital Clean Energy Carriers Corp.

September 2024

CCEC
NasdaqListed



www.capitalcleanenergycarriers.com

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This presentation contains forward-looking statements (as such term is defined in Section 21E of the Securities Exchange Act of 1934, as amended). These statements can be identified by the fact that they do not relate only to historical or current facts. In particular, forward-looking statements include all statements that express forecasts, expectations, plans, outlook, objectives and projections with respect to future matters, including, among other things, the expected financial performance of CCEC's business, the effect of our conversion from a limited partnership to a corporate, CCEC's expectations or objectives regarding future dividends, and market and charter rate expectations. These forward-looking statements involve risks and uncertainties that could cause the stated or forecasted results to be materially different from those anticipated. For a discussion of factors that could materially affect the outcome of forward-looking statements and other risks and uncertainties, see "Risk Factors" in CCEC's annual report on Form 20-F filed with the SEC on April 23 2024 and the risk factors set out in Exhibit 99.8 to our report on Form 6-K published on August 26, 2024. Any forward-looking statements made by or on behalf of CCEC speak only as of the date they are made. Unless required by law, CCEC expressly disclaims any obligation to update or revise any of these forward-looking statements, whether because of future events, new information, a change in its views or expectations, to conform them to actual results or otherwise. You are cautioned not to place undue reliance on forward-looking statements.

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◆ 01

Who We Are: Capital Clean Energy Carriers Corp.

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Capital Clean Energy Carriers

- Key Highlights



Expected to become the largest and youngest fleet¹ of energy transition vessels capable of transporting LNG, LPG, ammonia and liquid CO2



Significant charter coverage with leading energy companies provides cash flow stability



Considerable go-forward growth as newbuilding program of technologically-advanced vessels delivers



Growth largely financed through monetization of container vessels in strong market and debt from leading institutions

2.3 Years

Avg. Fleet Age²

36 Vessels

Fleet Size²

18 LNG Carriers, 10 Multi Gas Carriers
and 8 legacy Container Carriers



\$2.4 billion Newbuilding Program for LNG/Cs, MGCs and LCO2 state of the art vessels

\$177.8 million

Net proceeds from sale
of 7x container vessels in
2024

~\$348.4 million³

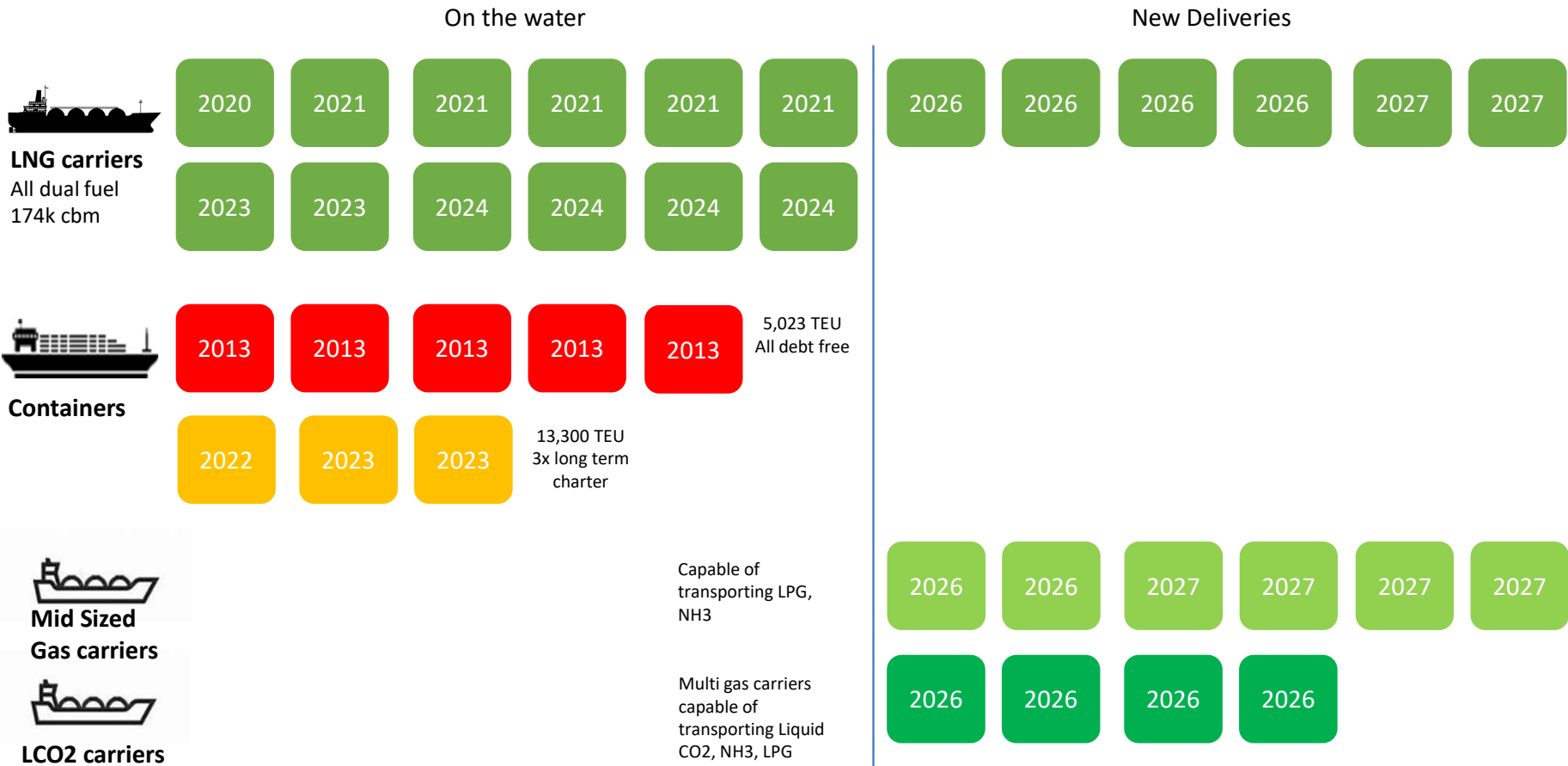
Potential to monetize
remaining 8 x
container fleet

1. Among U.S.-listed shipping companies based on information available as of June 30, 2024

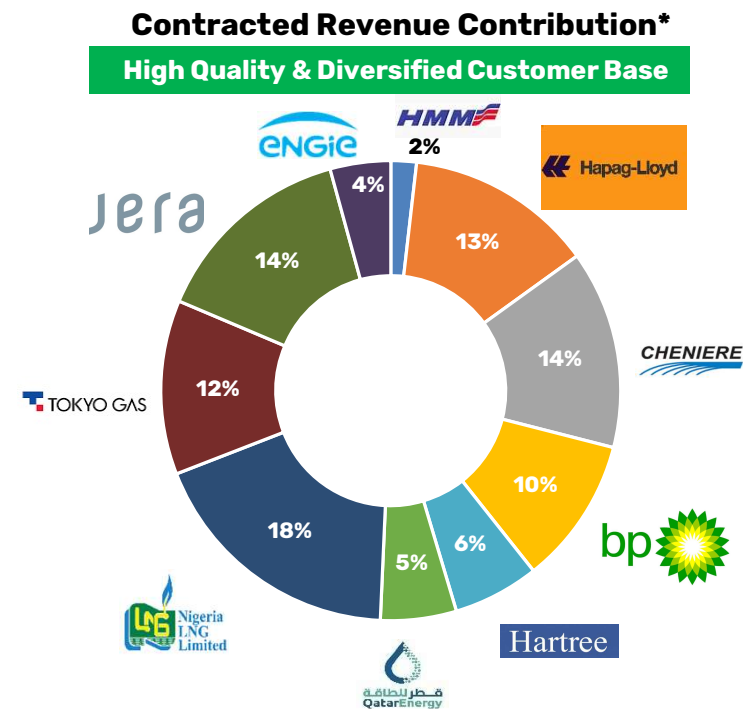
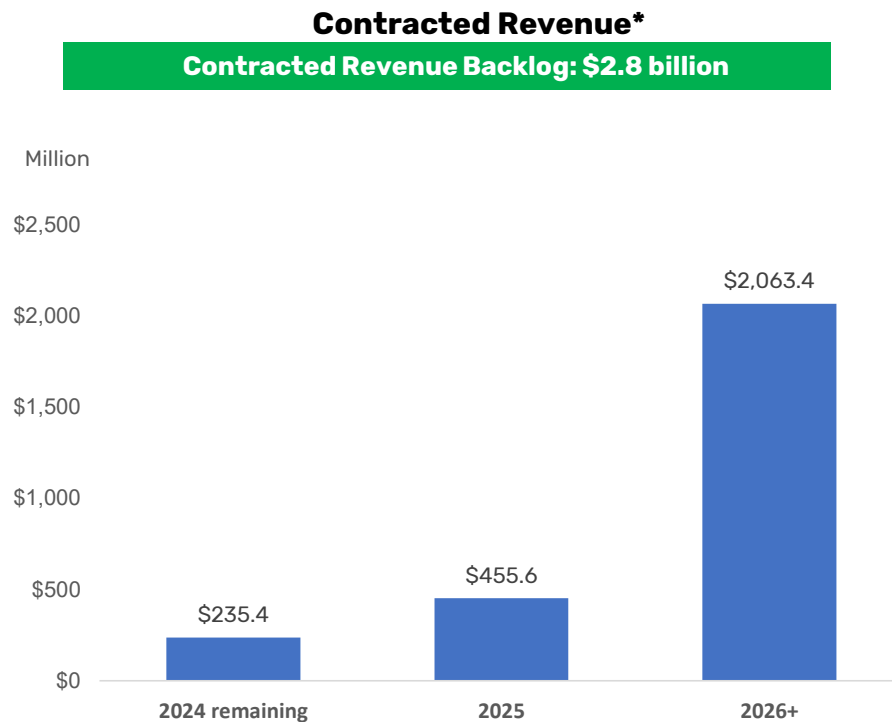
2. As of June 30, 2024, including six LNG/Cs expected to be delivered between the first quarter of 2026 and the first quarter of 2027 and 10 gas carriers expected to be delivered between the first quarter of 2026 and the third quarter of 2027

3. Based on charter attached valuations as of June 2024 and debt balance of June 30, 2024

Very Modern Fleet



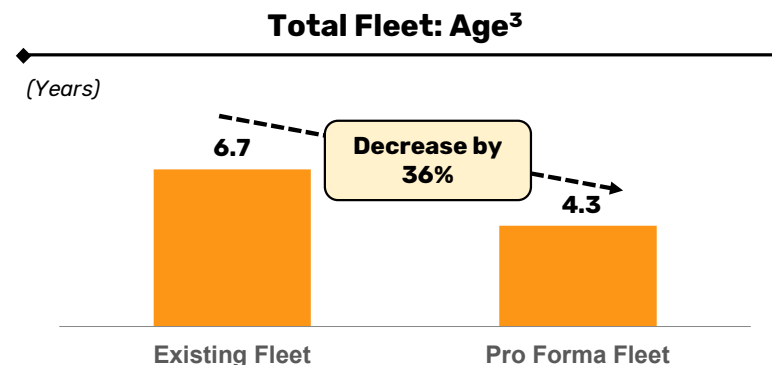
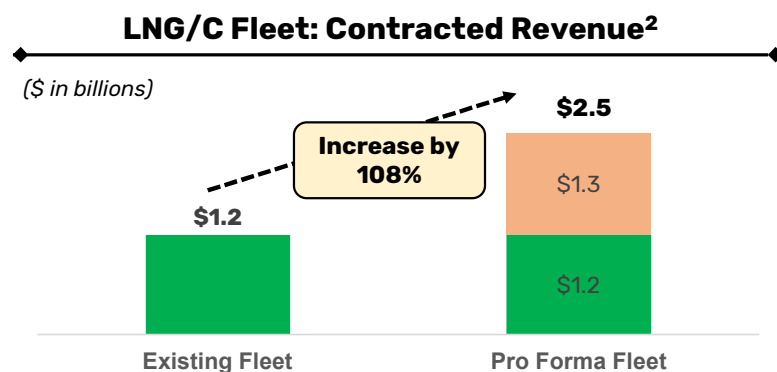
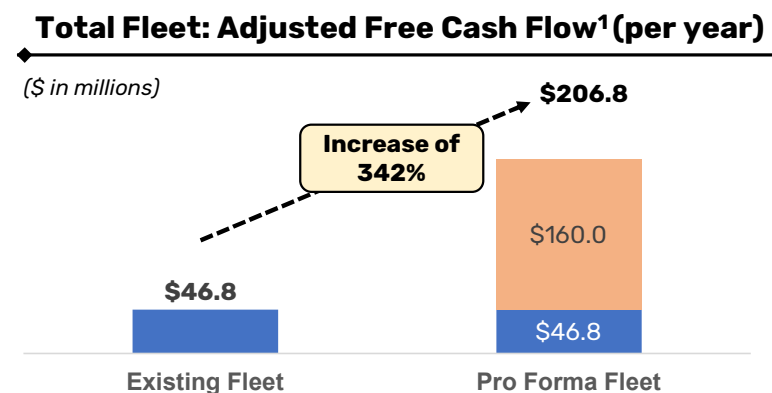
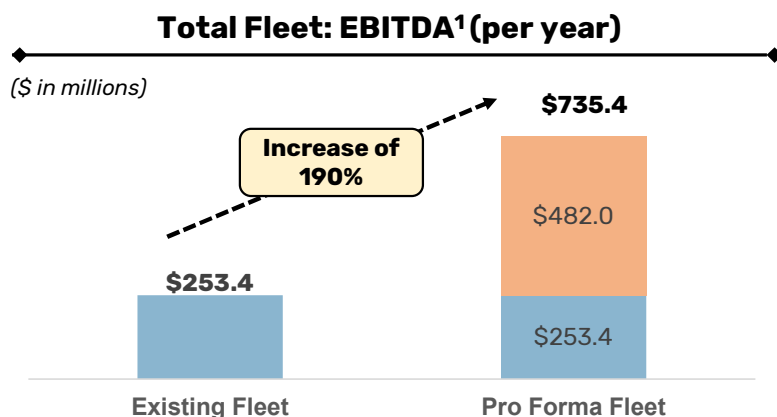
Diversified Contracted Revenue



~7.2 years* average remaining charter duration
~85% of our contracted revenue, or \$2.4 billion, come from LNG assets

* As of June 30, 2024. Assumes the exercise of the first two options (total 4 years per vessel) for the three vessels on charter to BP, as the structure of the time charter party makes the exercise of these options highly likely. BP has already exercised their first option for the LNG/Cs Aristos I and Aristidis I. Excludes revenue of Axios II based on index-linked, one-year TC

Significant Increase in Revenues and EBITDA on “Fully Delivered” Basis



1. Non-GAAP measures. For definitions, please refer to the Appendix, p.31. Existing Fleet includes CCEC fleet as of December 31, 2023. Pro Forma Fleet information includes expected EBITDA/Adjusted Free Cash Flow from one year of operation of all 11 LNG/Cs and 10 LPG/ LCO2s acquired, and assumes the same EBITDA and Adjusted Free Cash Flow as 12 months ended December 31, 2023 of existing fleet, including containers
2. As of December 31, 2023
3. As of December 31, 2023. Pro Forma Fleet includes the Existing Fleet and all 11 LNG/Cs and 10 LPG/ LCO2s acquired



02

LNG Fleet & Market



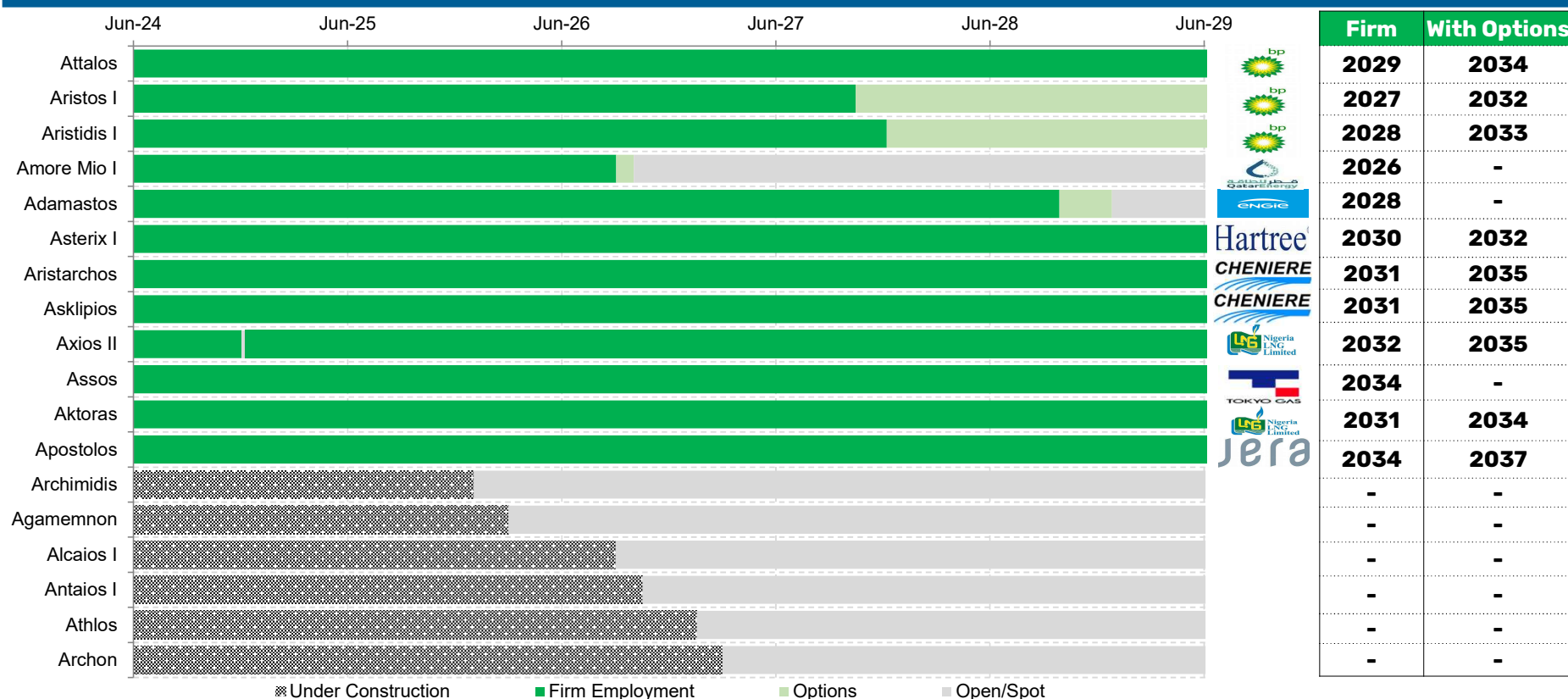
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Charter Profile* - CCEC LNG/C Fleet



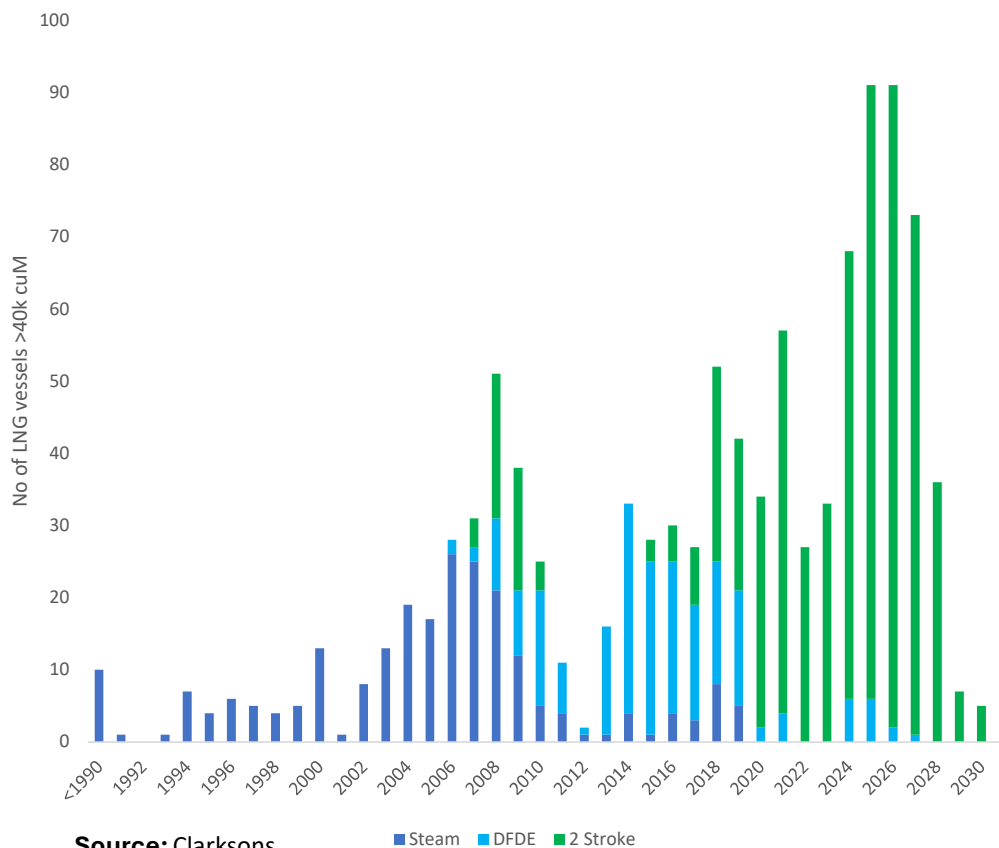
Contracted backlog of 74 years at an average daily rate of \$88,537, or ~\$2.4bn of revenue
Backlog could increase to 109 years with all options exercised



*Estimates as of June 30, 2024, including six LNG/Cs expected to be delivered. Assumes the exercise of the first two options (total 4 years per vessel) for the three vessels on charter to BP, as the structure of the time charter party makes the exercise of these options highly likely. BP has already exercised their first option for the LNG/Cs Aristos I and Aristidis I

LNG Global Fleet – Fleet Structure Is Split Between 3 Technologies

2 stroke engines dominant since 2018



Older vessels face operational challenges

Vessel type	Steam Turbine	Diesel Electric (DFDE/TFDE)	2 stroke Inj (MEGI/X-DF)
Capacity	145,000 cbm	160,000 cbm	174,000 cbm
Fuel consumption @19k	N/A due to EEI	125	90
Fuel consumption @17k	160	100	78
CO2 per voyage in tons*	54,632	42,081	26,033

*based on US-Japan round trip

Source: CCEC

Age split of LNG global fleet

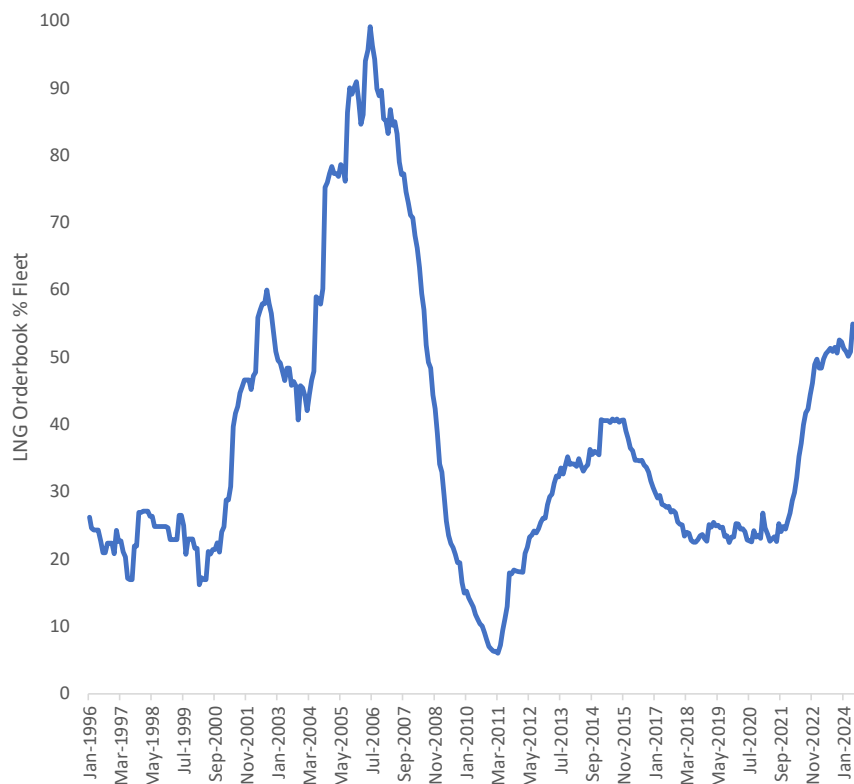
Existing fleet = 652
 Orderbook = 347
 Average Age = 12 years

245 LNGC >15 years
 407 LNGC <15 years

Source: Clarksons

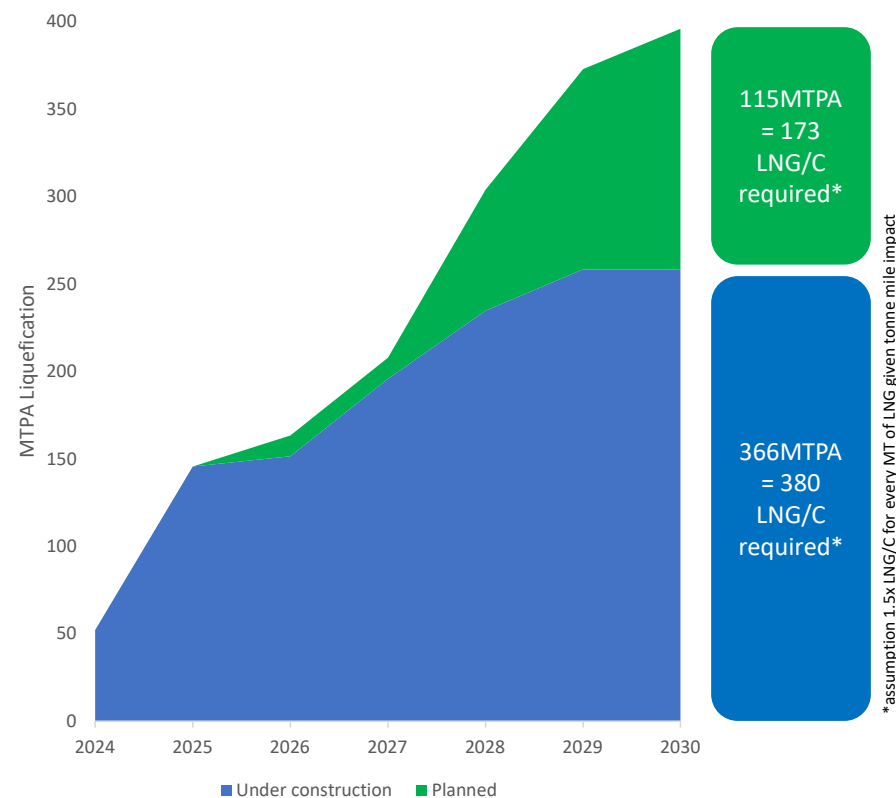
LNG Global Fleet – Orderbook Ratio is High – But so is Future Growth

Orderbook/fleet ratio is high at >50%....



Source: Clarksons

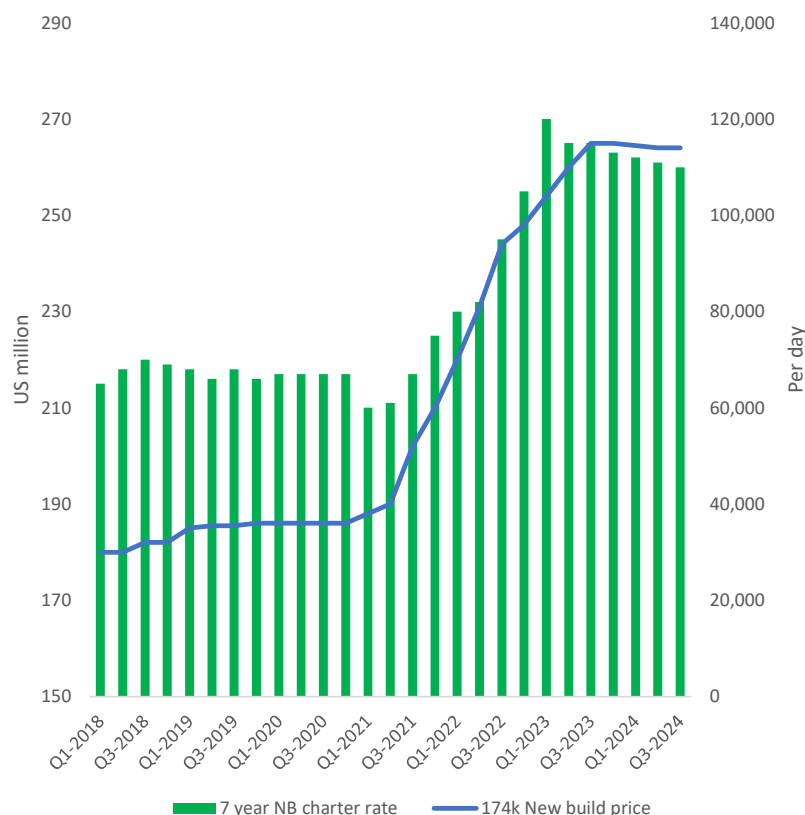
....but so is LNG production growth >400MTPA by 2030



Source: Clarksons, Fearnley

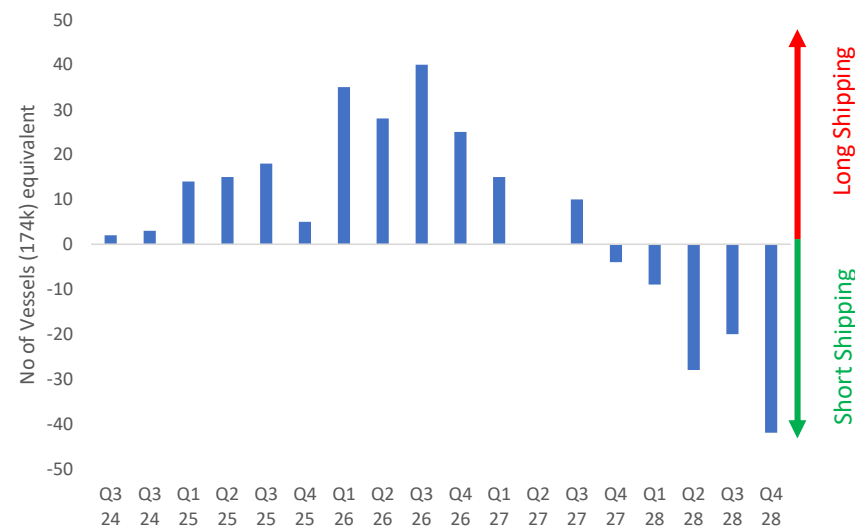
LNG Sector – Asset Prices Underpinned By Multiple Factors

LNG 174k @\$260m – underpinned by rates...



Source: Clarksons

....and tight vessel supply market from 2027



Yard capacity



Lead Times



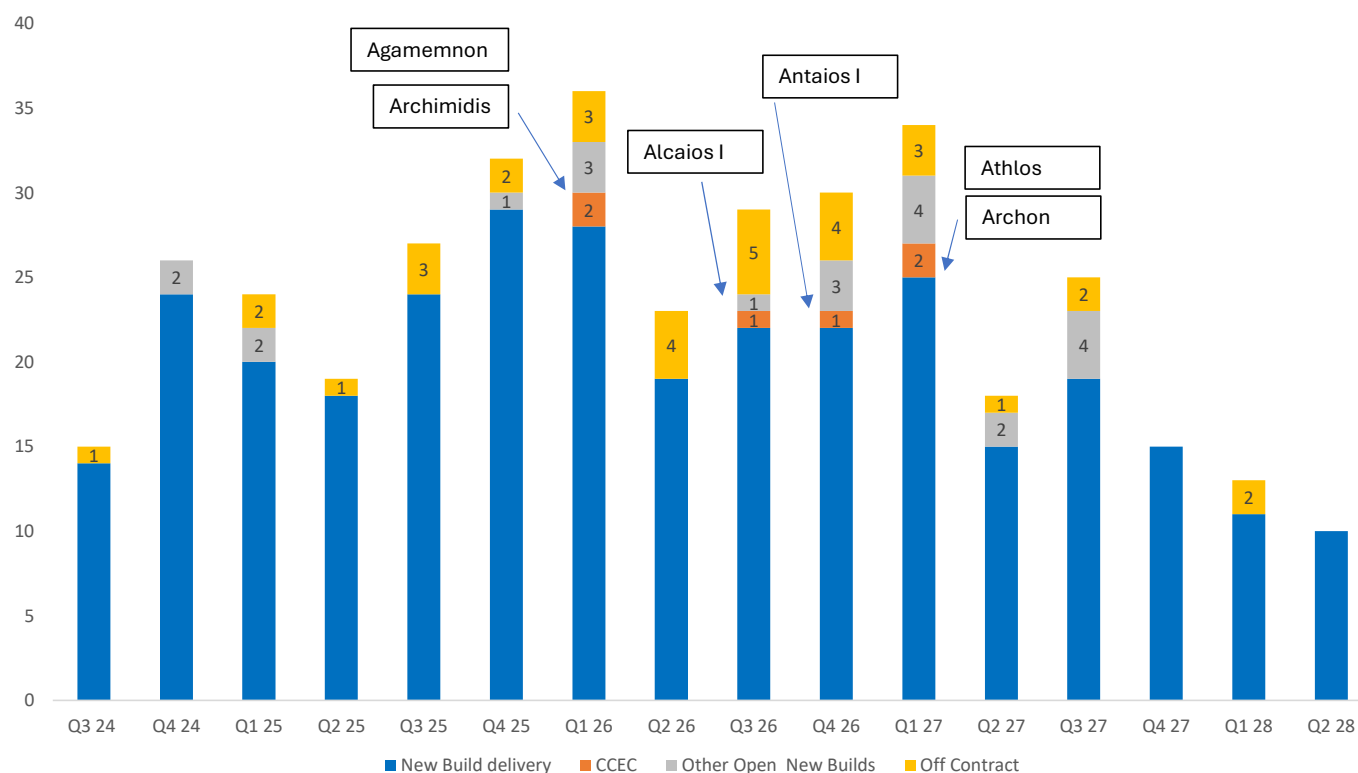
Cost Inflation



Source: SSY, Affinity

Very Few Open LNG/C Delivery Slots In Orderbook

Only 28 out of 343 LNG/C deliveries are open – CCEC has 21% or 6 of these slots



Source: Clarksons

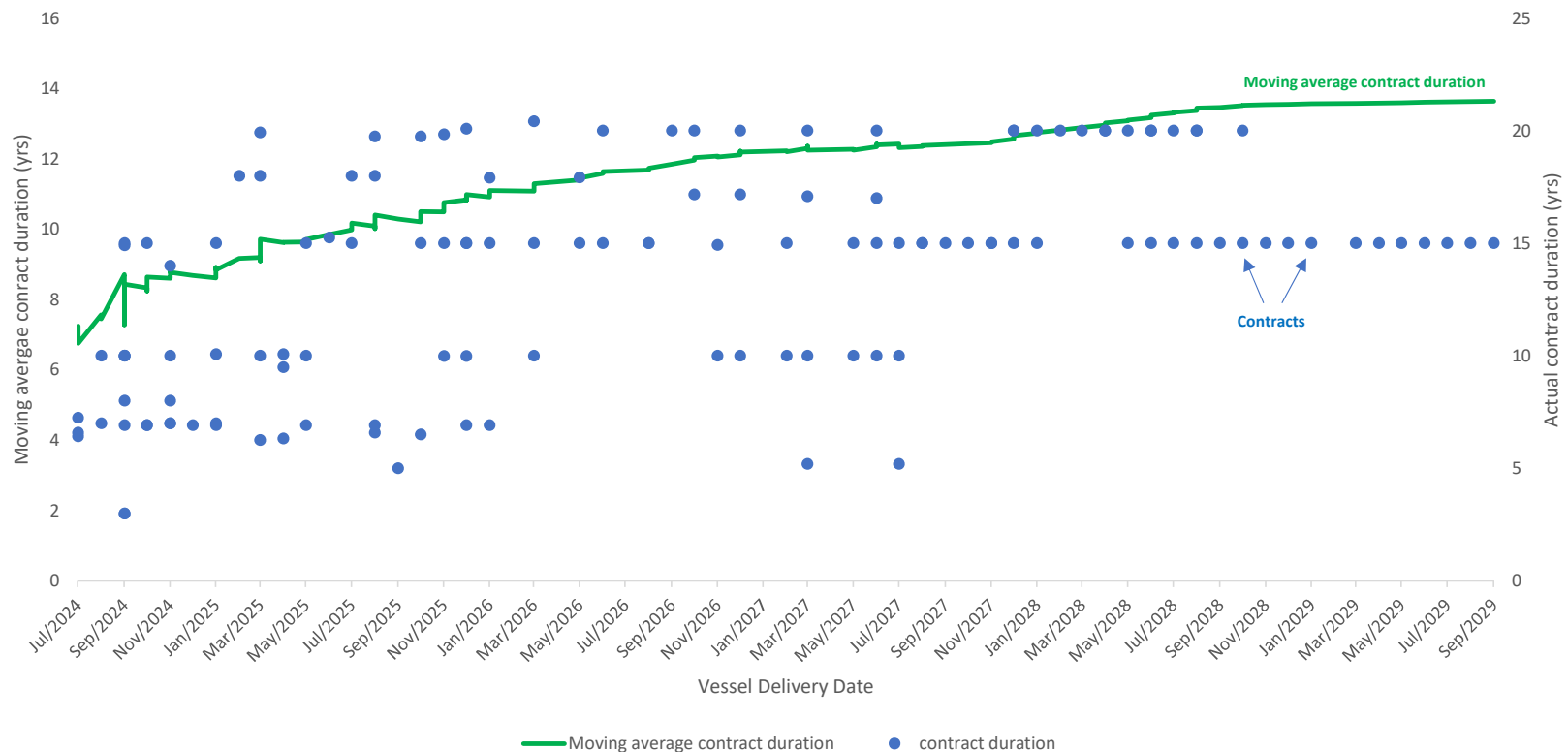


**21% of open book
= CCEC**

CCEC is well positioned to take advantage of the strong LNG/C term market with the largest positions in uncommitted vessels among shipowners

LNG Global Fleet – Contract Duration is Rising

Contract duration has risen from 2026 delivery onward – post 2027 delivery > 15 years



* Where contract duration is known – covers 40% of the orderbook

Source: SSY

03

Container Fleet & Market



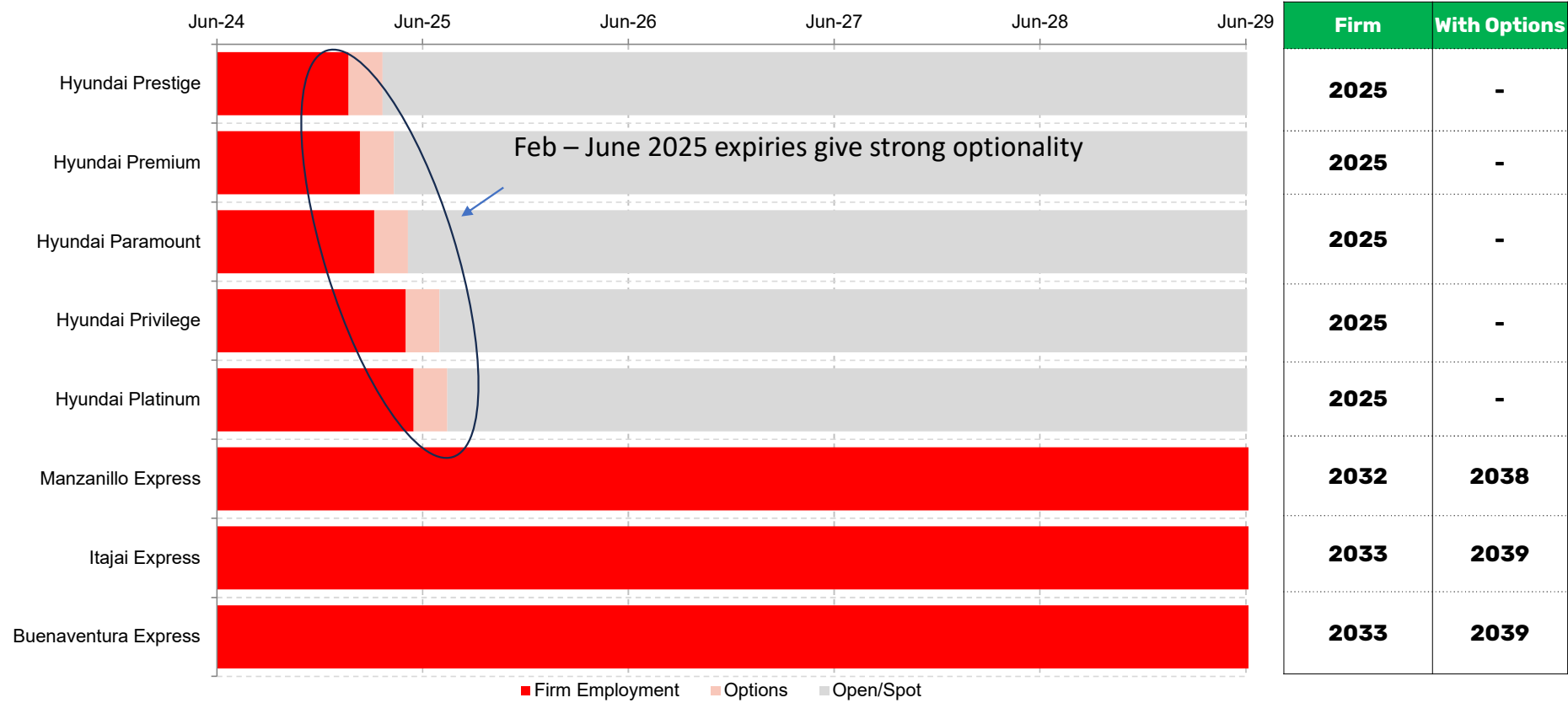
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Charter Profile* - CCEC Container Fleet - 7 Sold in 2024; 8 Left; 5 Off Charter in 2025



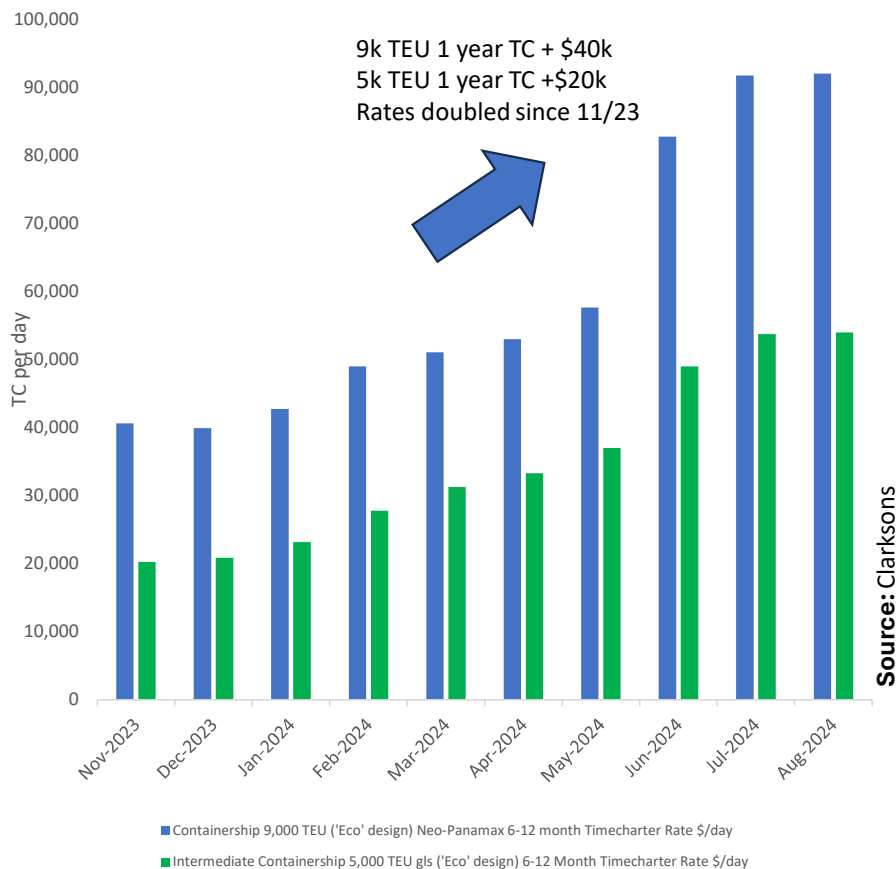
Contracted backlog of 30 years at an average daily rate of \$38,362, or ca. \$413.8 million of revenue
Backlog could increase to 49 years with all options exercised



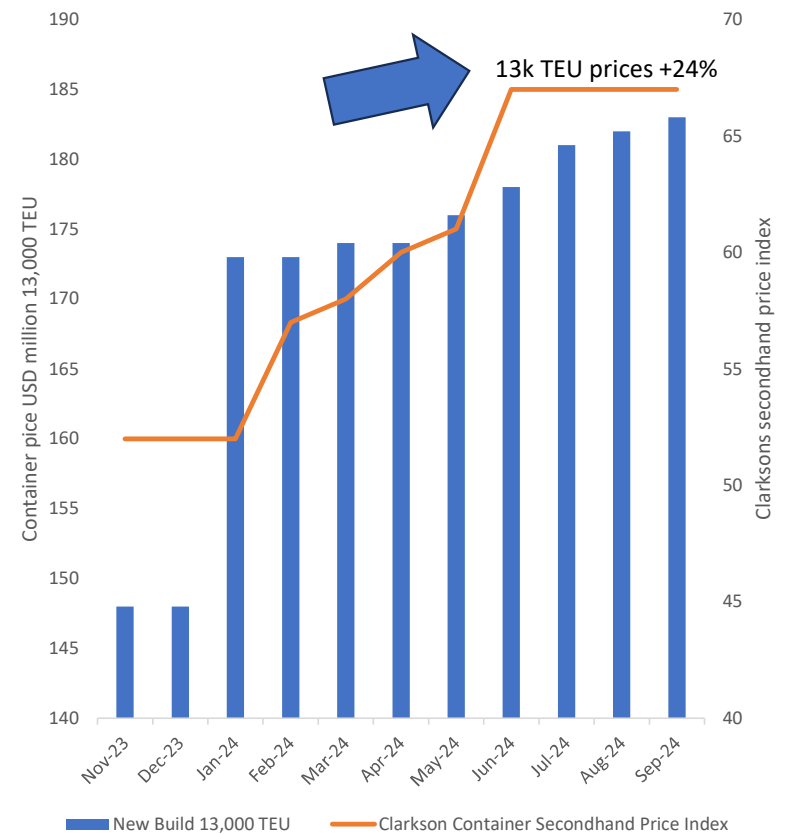
* Estimates as of June 30, 2024

Containers – Optionality from Strong Market Recovery

1 year time charter rates - rising



Asset prices rising – focused on smaller containers





04

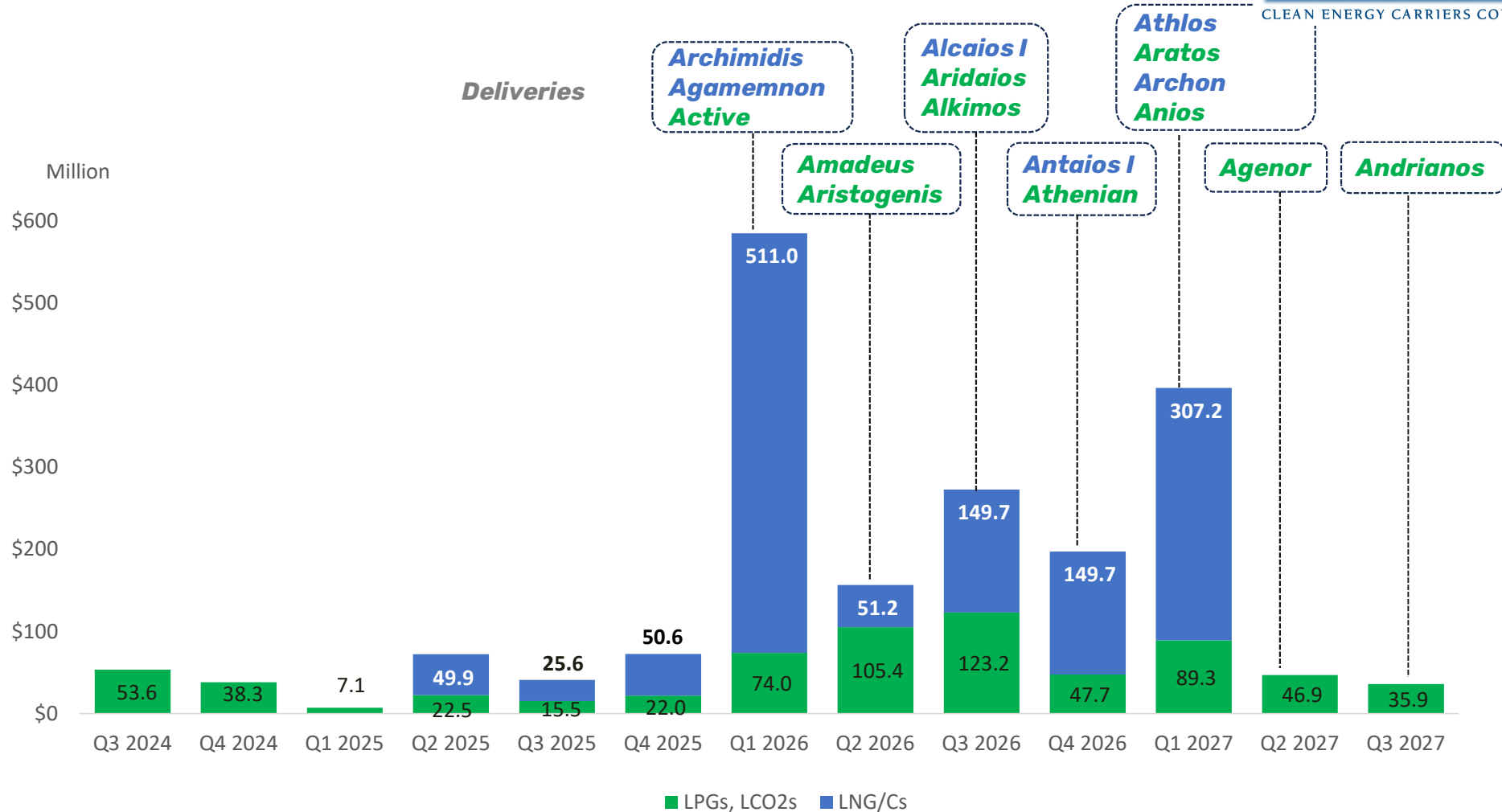
Financials



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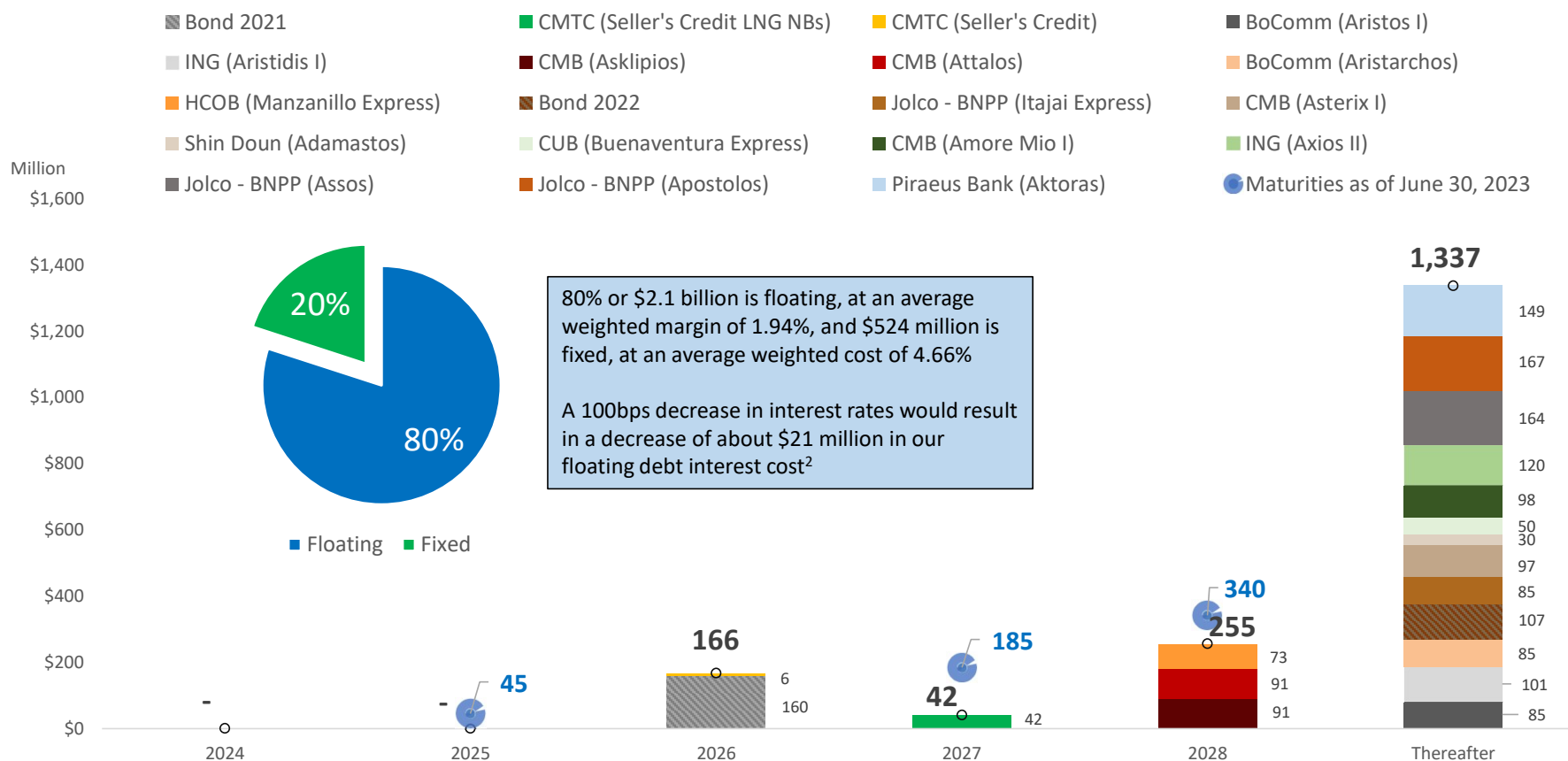
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Newbuilding Commitments



* As of June 30, 2024. Basis preliminary yard schedule for the gas vessels

Debt Maturities Overview¹



- As of June 30, 2024. The Itajai Express JOLCO, the Assos JOLCO and the Apostolos JOLCO amounts due on maturity include interest accrued on the equity portion
- As of June 30, 2024. Calculated basis the relevant average debt balances for the next 12 months, including the Apostolos JOLCO, drawn on July 16, 2024



05

Gas Fleet & Market



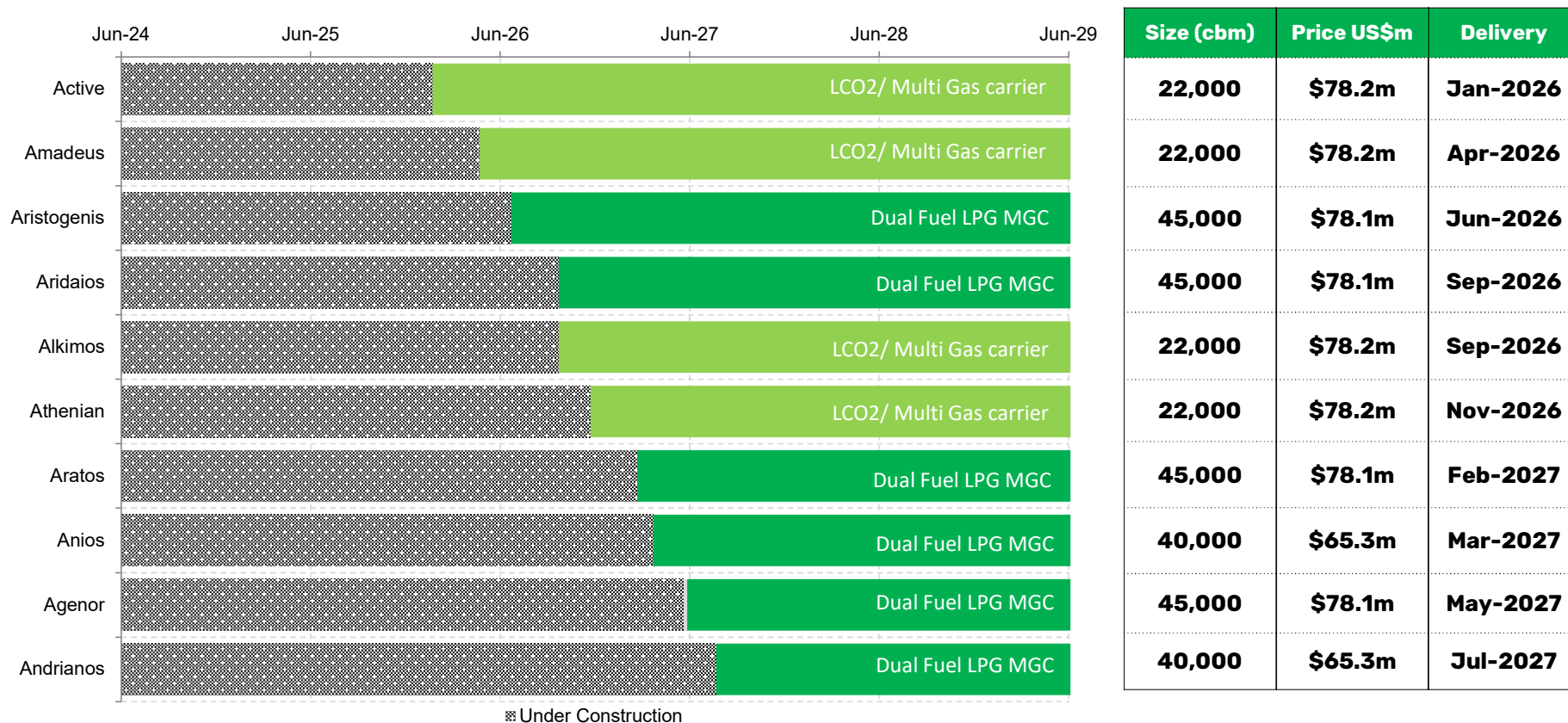
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Dual Fuel LPG & Liquid CO2 Fleet



High specification, dual fuel LPG & LCO2 vessels, with increased capacity for reduced freight cost
LCO2 vessels capable of transporting liquid CO2, LPG and ammonia



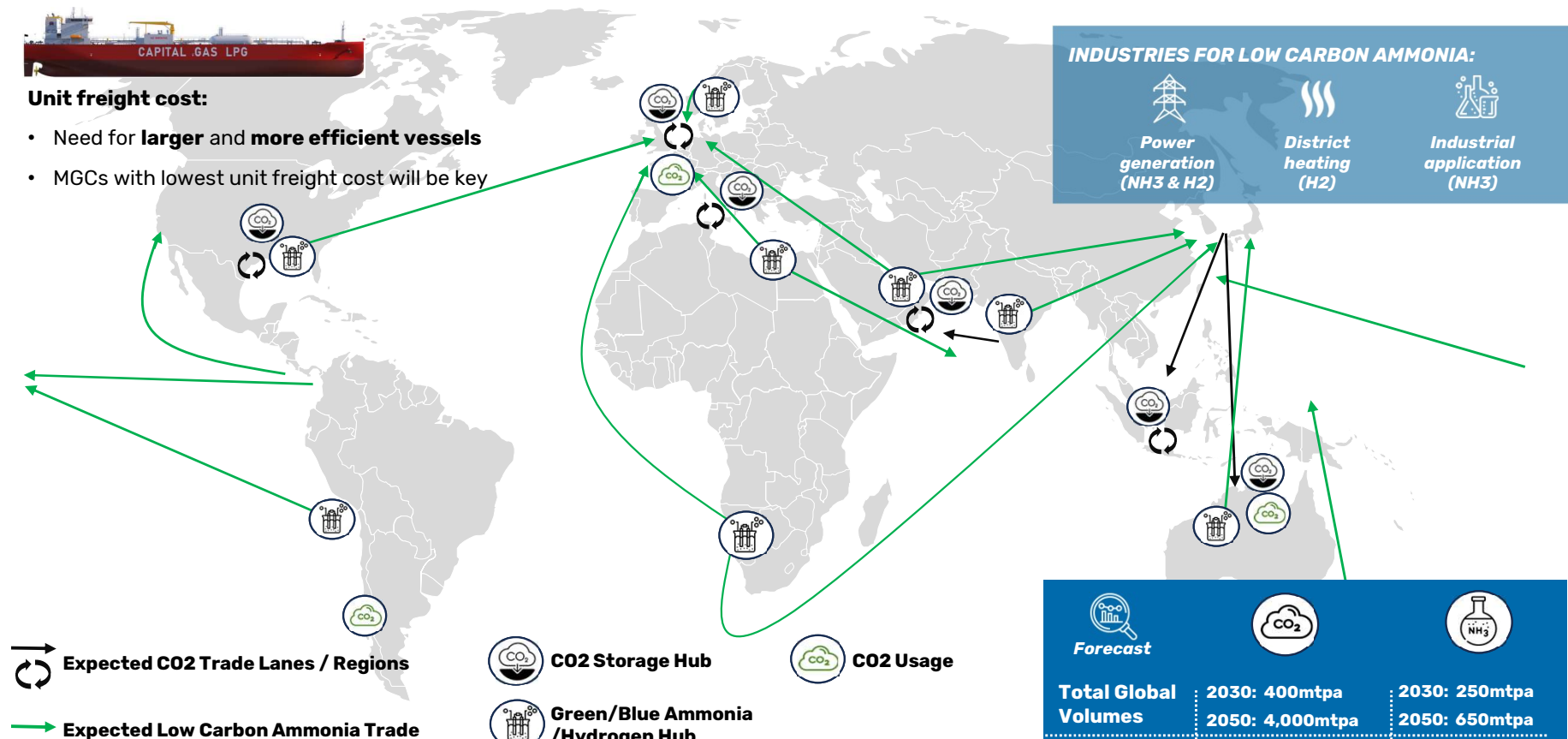
*Estimates as of June 30, 2024

New Markets to Emerge in Mid Sized Gas Carrier Segment



Unit freight cost:

- Need for **larger** and **more efficient vessels**
- MGCs with lowest unit freight cost will be key



• Source: IEA, IRENA, S&P Global, Rystad

INDUSTRIES FOR LOW CARBON AMMONIA:



Power
generation
(NH3 & H2)



District
heating
(H2)

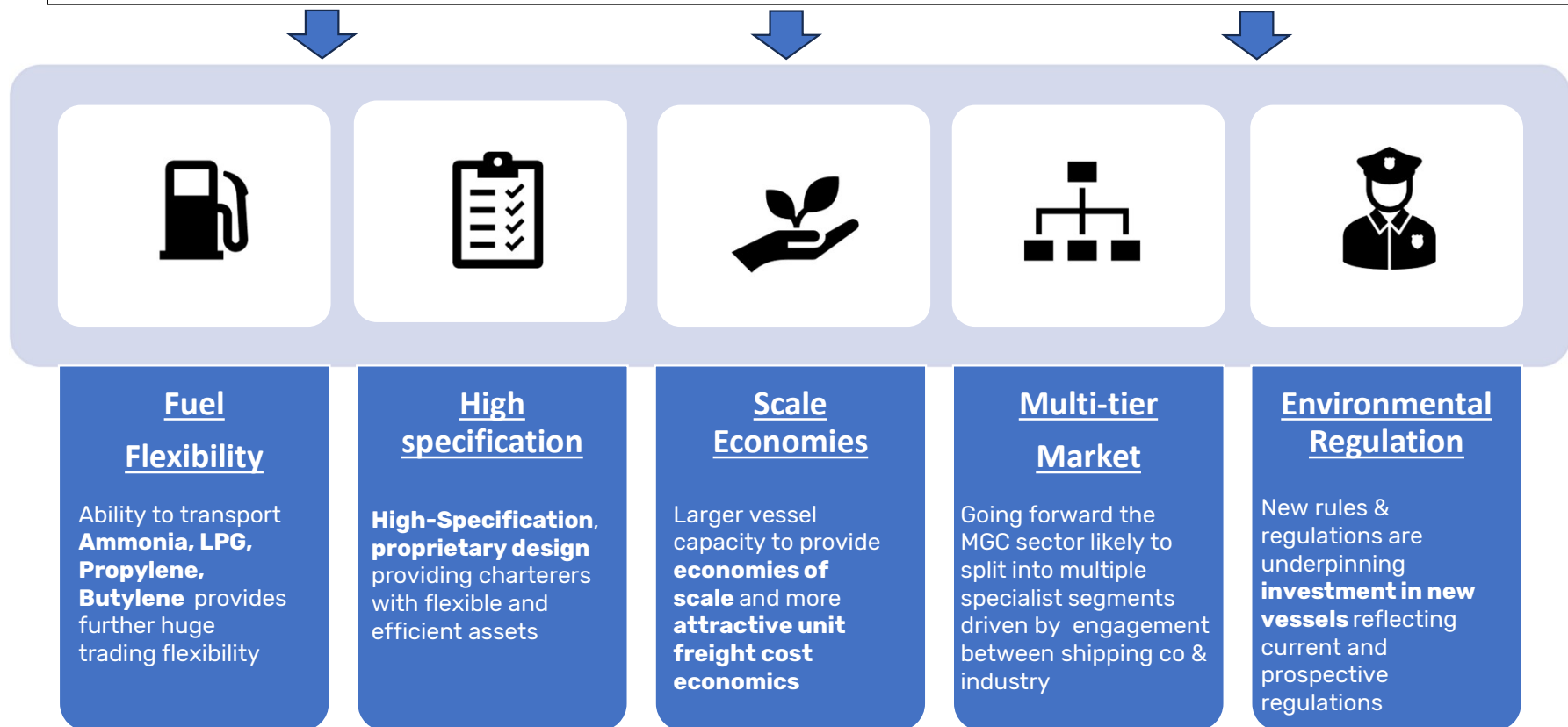


Industrial
application
(NH3)

Forecast	CO ₂	NH ₃
Total Global Volumes	2030: 400mtpa 2050: 4,000mtpa	2030: 250mtpa 2050: 650mtpa
Maritime Volumes	2030: 90mtpa 2050: 600mtpa	2030: 65mtpa 2050: 180mtpa

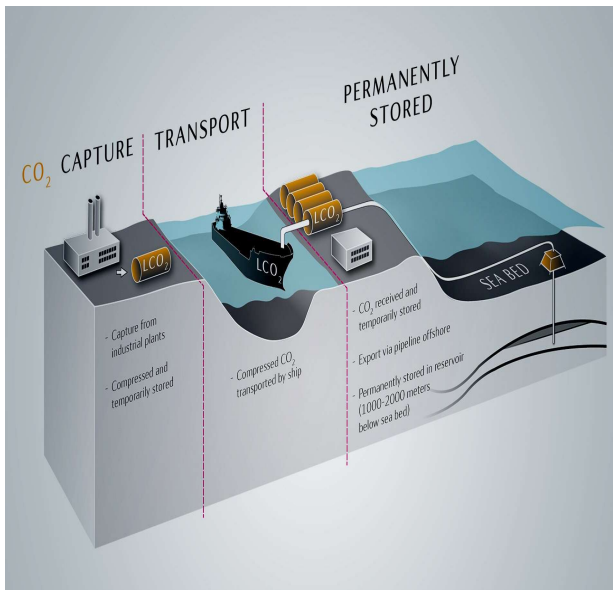
Mid Sized Gas Carrier Market is Changing

MGC market traditionally been a “one size fits all” approach – a MULTI TIER market is emerging with new more efficient 38k, 40k and recently 45k cbm vessels competing with older established 35k cbm ships

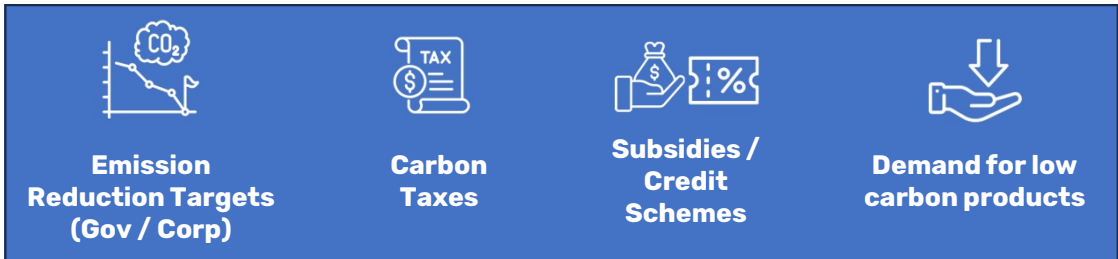


Source: IEA, GCCSI, IRENA, Rystad, IOGP // * CCSA: Carbon Capture Storage Association

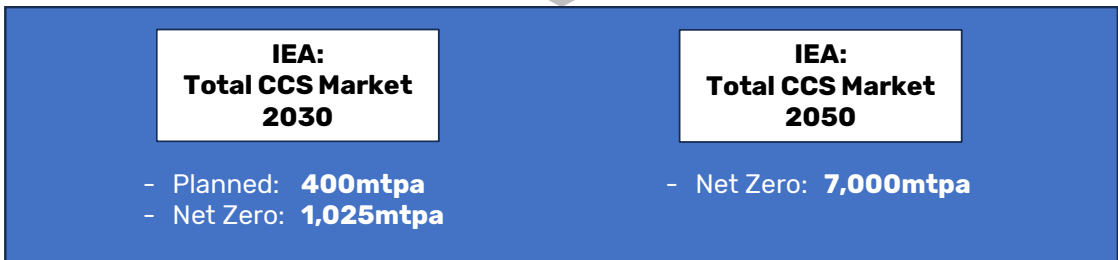
Liquid CO2 Carriers – Key Fundamentals & Drivers



KEY DRIVERS



GLOBAL MARKET

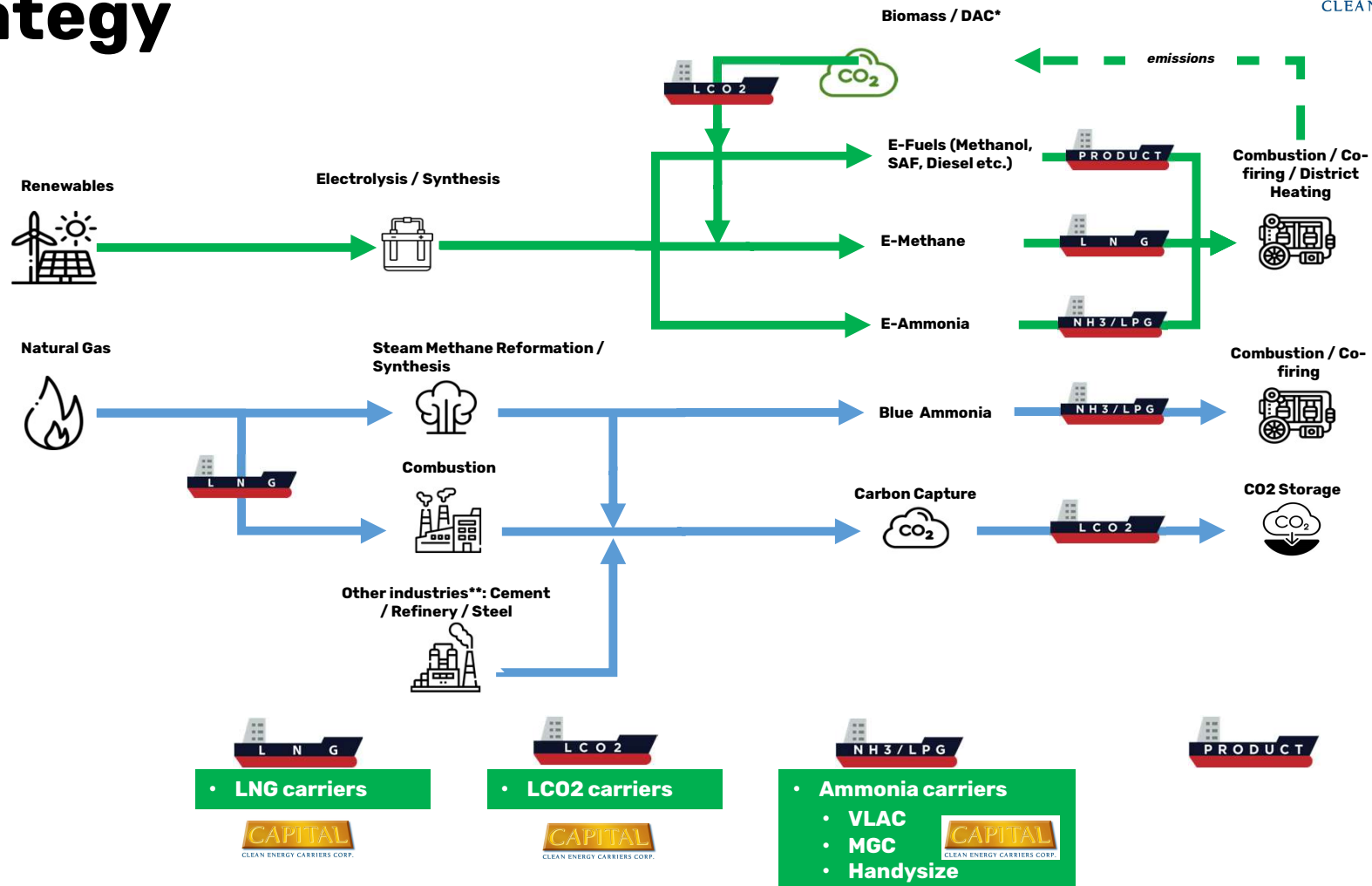


MARITIME REQUIREMENTS



Source: IEA, GCCSI, IRENA, Rystad, IOGP // * CCSA: Carbon Capture Storage Association, Aker solutions

Fully Integrated Gas Transportation Strategy





06

Section

Conclusion & Summary



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Very Modern Fleet & Platform Available



Upon Delivery CCEC expected to be the **largest** gas carrier platform with 28 gas vessels

Capital Clean Energy Carriers

- Key Highlights



Expected to become the largest and youngest fleet¹ of energy transition shipping vessels capable of transporting LNG, LPG, ammonia and liquid CO2



Significant charter coverage with leading energy companies provides cash flow stability



Considerable go-forward growth as newbuilding program of technologically-advanced vessels delivers



Growth largely financed through monetization of container vessels in strong market and debt from leading institutions

2.3 Years

Avg. Fleet Age²

36 Vessels

Fleet Size²

18 LNG Carriers, 10 Multi Gas Carriers
and 8 legacy Container Carriers



\$2.4 billion Newbuilding Program for LNG/Cs, MGCs and LCO2 state of the art vessels

\$177.8 million

Net proceeds from sale
of 7x container vessels in
2024

~\$351 million³

Potential to monetize
remaining 8 x
container fleet

1. Among U.S.-listed shipping companies based on information available as of June 30 2024

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3. Based on charter attached valuations as of June 2024 and debt balance of June 30, 2024



Appendix



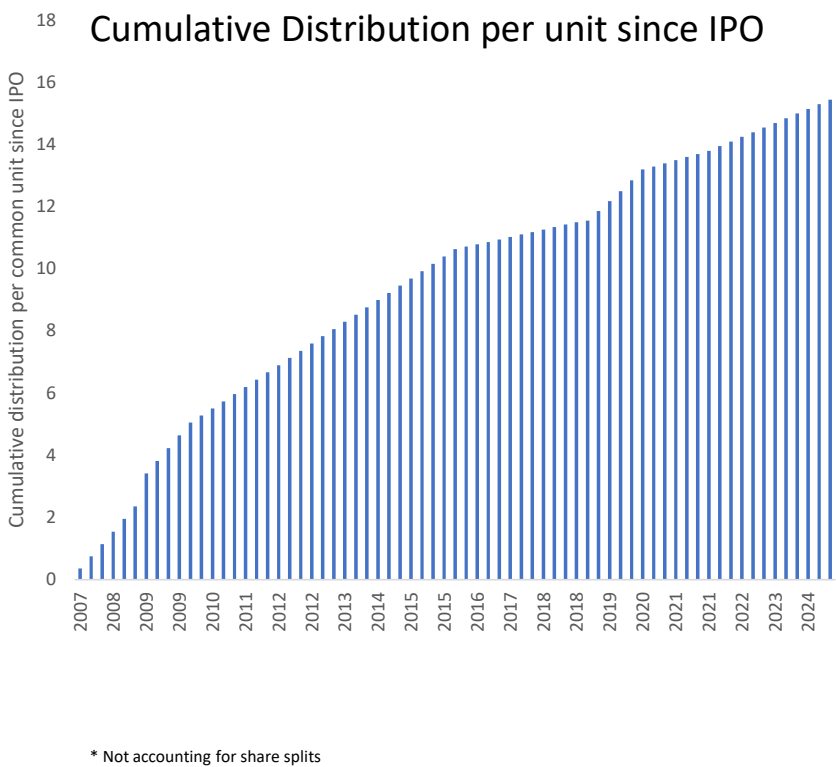
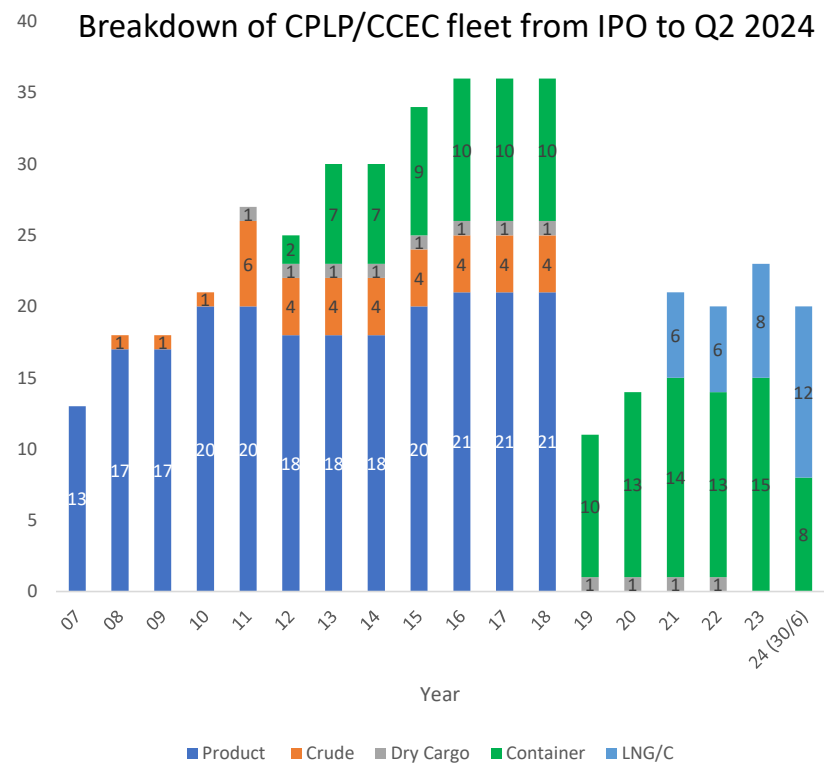
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CPLP/ CCEC Strong Capital Markets History



Company has long history – pivoting away from crude & product tankers in 2019

Paid 69 consecutive QUARTERLY dividends on common units totalling \$15.44 per unit since IPO*



Assumptions

- **Annual debt amortization:** \$155.1 million. Estimated amount of the average annual amortization for each vessel basis \$2.91 billion debt
- **Interest rate:** Average margin of 1.97% over the 5 year SOFR rate of 4.02%
- **Interest Expense:** Interest rate multiplied by the average of Vessel Debt and Vessel Debt minus Amortization
- **Ownership Days:** Aggregate number of days each vessel is expected to be part of the CCEC fleet per year
- **Contracted Revenue:** Time charter rate multiplied by the total number of available days during the time charter period. Available days per vessel for LNG/Cs Assos and Apostolos are adjusted for one special survey per vessel
- **Daily Rate Average per year:** sum of the contracted revenue for the subject year divided by the number of Ownership Days
- **EBITDA:** Earnings before interest, tax, depreciation, and amortization charges. Forward-looking EBITDA included in this presentation is not reconcilable to its most directly comparable GAAP measure without unreasonable efforts, because the amounts excluded from such GAAP measure to determine EBITDA cannot be predicted with reasonable certainty
- **Adjusted Free Cash Flow:** For existing fleet: Operating Surplus *prior to capital reserve* minus scheduled principal payments. Please refer to previous announcements for a reconciliation of Operating Surplus with net income for existing fleet. For 11 LNG/C fleet and 10 LPG/ LC02 fleet: EBITDA less Interest Cost less Annual Debt Amortization
- **Daily operating expenses:** for the LNG/Cs \$14,500 per day, for the LPG/LC02s: \$8,000 per day
- **Daily time charter rate for unfixed vessels:** for the LNG/Cs: \$100,000 per day; for the 45,000 cbm LPGs and the LC02s: \$40,000 per day, for the 40,000 cbm LPGs \$37,000 per day