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## Agenda

- 1. Highlights
- 2. Market
- 3. Performance
- 4. Summary & Outlook
- 5. Q & A



### Ship Smarter with LPG

### Staying the course in a challenging year, guided by our Vision and Purpose



Talent

- >2,000 colleagues overcoming personal and professional challenges to keep propellers turning and livelihoods secure
- ~99% of crew onboard vaccinated against Covid-19; continued emphasis on mental health of seafarers

Technology

- 12 LPG-powered VLGCs on water; 3 more to be retrofitted in 2022; >16,000 operational hours at sea and counting
- ~USD 92 million invested on fleet upgrades in 2021 to maximise asset value
- More initiatives in progress, such as designing of Next-Gen VLGCs

### Transactions

- 6 vessel sales announced in 2021; 5 vessels transferred to BW LPG India
- Welcomed Maas Capital as a minority shareholder in BW LPG India
- Announced share buyback to purchase up to 10 million common shares for a maximum of USD 50 million

### Highlights and Outlook



<b>Commercial Performance</b>		Financial I	Performance	Dividends		
<b>\$32,400</b>	97%	\$63M	<b>\$0.45</b>	<b>\$0.18</b>	\$25M	
TCE per available day	Commercial utilisation	Net profit after tax	Earnings per share	Dividend per share	Total	
<b>\$31,000</b>	<b>4%</b>	\$453M	<b>35%</b>	<b>\$0.56</b>	<b>\$77M</b>	
TCE per calendar day	Technical offhire	Available liquidity	Net leverage ratio	YTD Dividend per share	YTD Total	

#### **Highlights and Subsequent Events**

- Highest available liquidity to-date at USD 453 million with net leverage ratio down to its lowest level in seven years at 35%
- Retrofitted a further two vessels with LPG dual-fuel propulsion, bringing the total to 12 vessels on water, with over 16,000 hours running on LPG
- Concluded the sale and delivery of BW Sakura in December and BW Niigata in February – generating USD 72 million in liquidity and a net book gain of USD 14 million
- Upsized the existing USD 221 million facility with a USD 40 million sustainabilitylinked loan (SLL) to finance the retrofitting of four dual-fuel LPG propulsion and converted USD 70 million under this term loan facility to a revolving credit facility
- In January 2022, Maas Capital subscribed for USD 50 million of new shares in BW LPG India, a subsidiary of BW LPG. Following this transaction, BW LPG owns approximately 67% in BW LPG India

#### **Market Outlook**

- Geopolitical uncertainty clouds near term market outlook
- Near term rate volatility could be triggered by a number of factors:
  - Bunker price shocks
  - Changing trading patterns
  - Unexpected LPG inventory management
  - Changes to shipping inefficiencies
- For 2023 onwards, despite the uncertainties from the heavy newbuilding delivery schedule and the implementation of IMO EEXI regulations, we remain confident of the long term VLGC market fundamentals as LPG remains a viable transition fuel towards decarbonisation and the use of cleaner energy

### **Key Financials**

	Q4 2021	Q4 2020	FY 2021	FY 2020
VLGC Daily TCE <sup>1</sup>	\$31,000	\$37,300	\$31,400	\$36,400
VLGC Daily OPEX <sup>2</sup>	\$7,700	\$8,500	\$8,000	\$7,700
TCE income (in USD million)	\$117	\$138	\$466	\$551
EBITDA (in USD million)	\$79	\$107	\$312	\$414
Profit after tax (in USD million), before non-recurring items	\$28	\$61	\$120	\$224
Profit after tax (in USD million)	\$63	\$77	\$186	\$244
EPS <sup>3</sup> , before non-recurring items	\$0.20	\$0.44	\$0.85	\$1.61
EPS <sup>3</sup>	\$0.45	\$0.55	\$1.33	\$1.76
Operating cash flow (in USD million)	\$20	\$24	\$307	\$398
Free cash flow <sup>4</sup> (in USD million)	\$47	\$6	\$330	\$331
Earnings Yield <sup>5</sup> (Annualised)	32%	32%	23%	26%
ROE <sup>6</sup> (Annualised)	19%	25%	14%	20%
ROCE <sup>6</sup> (Annualised)	13%	15%	10%	12%
EBITDA Margin <sup>7</sup>	68%	78%	67%	75%
Net leverage ratio <sup>8</sup>	35%	44%	35%	44%



**BW LPG** 

1.TCE rates per day presented above are inclusive of both commercial waiting and technical offhire days (i.e. 100% of calendar days)

2.Prior period includes LGC in the fleet

3.EPS (earnings per share) is computed based on the weighted average number of shares outstanding less treasury shares during the period

4. Free cash flow is computed as operating cash flow less capital expenditures. Capital expenditures include additions to property, plant and equipment, and proceeds from vessel sales

5.Earnings yield is computed as EPS divided by the share price at the end of the period in USD terms

6.ROE (return on equity) and ROCE (return on capital employed) is computed based on the average equity and capital employed at the end and beginning of the period

7.EBITDA Margin is computed as EBITDA over TCE Income

8.Net leverage ratio is computed as total debt less cash over total debt less cash plus equity



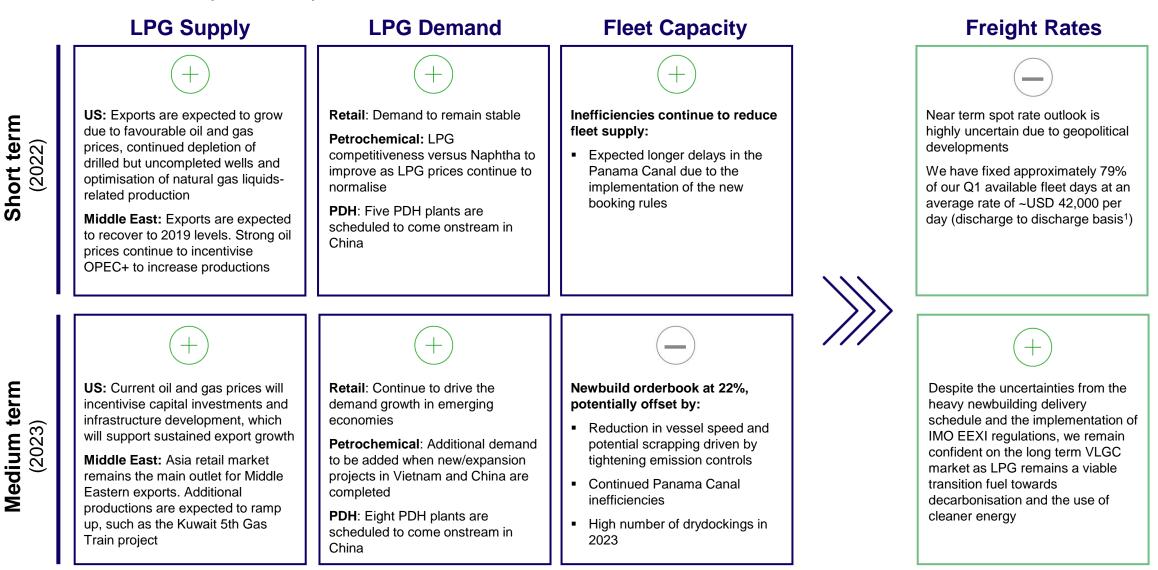
# Market



7 1 Mar 2022 **Q4 2021 Results** Aspire Towards a Better World

### VLGC Market Outlook

#### Near term uncertainty; healthy medium-term fundamentals

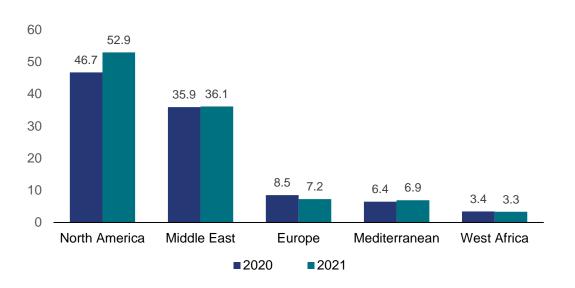


1. For financial reporting purposes, voyages are accounted for on a load to discharge basis in accordance with International Financial Reporting Standards

8

### 2021 Seaborne LPG Trade Overview

US drives LPG export growth, absorbed by strong import demand in China and India



North America LPG exports increased by 13% to 52.9 MT.

wells and optimisation of natural gas liquids production

Strong exports led by the depletion of drilled but uncompleted

#### 2021 seaborne LPG exports by country/region

 2021 = 2021
 China LPG imports recovered strongly by 23% to 23.3 MT, The bulk of this import growth comes from the start-up of new PDH plants and LPG-fed steam crackers, a trend that is set to

continue into 2022

Middle East LPG exports up marginally by 1% to 36.1 MT.
 Iranian exports showed significant recovery in 2021, up by 53% from 3.5 MT to 5.3 MT
 India LPG imports continued to grow strongly in 2021, up by 11% to 18.0 MT

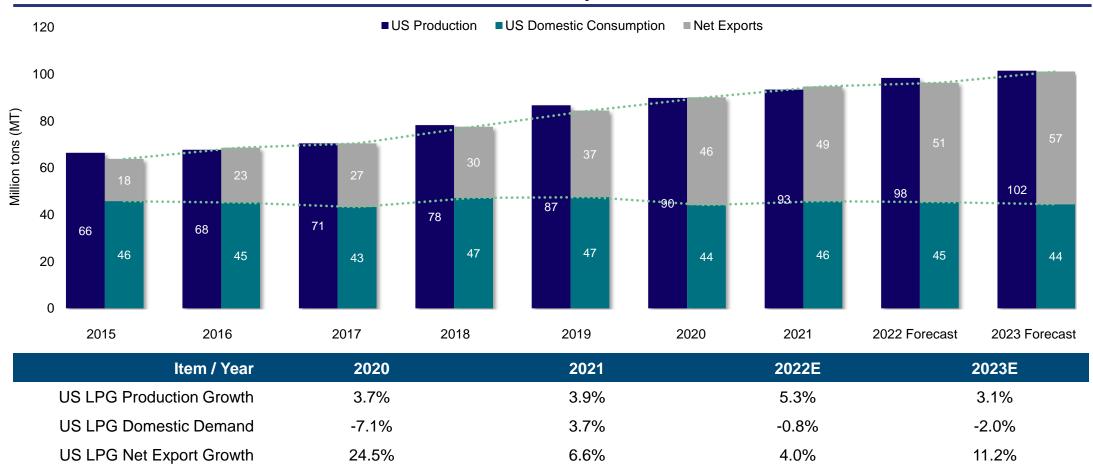
#### 2021 seaborne LPG imports by country/region

25 23.3 19.0 20 18.0 16.2 15 10.7 10.5 10.3 10.2 9,9 10.2 9.3 10 8.2 5 0 China South Korea India Japan Southeast Europe Asia

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### US LPG Net Exports EIA expects strong growth in 2023 US LPG exports





#### **US LPG snapshot**

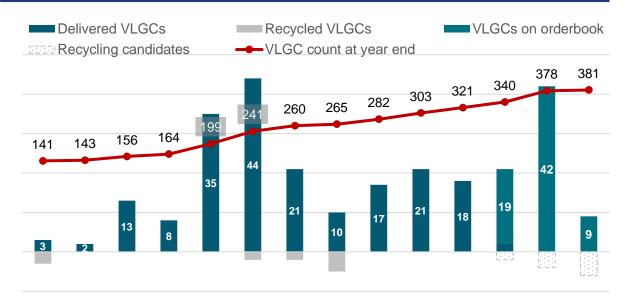
Source: EIA Short-term Energy Outlook February Release

1. Net exports includes land and waterborne. Land means LPG transported via pipeline, train, rail, trucks etc., waterborne refers to LPG transported by all vessel types on sea.

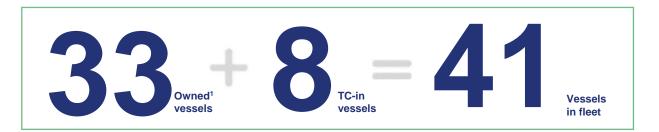
### VLGC Fleet Profile

Orderbook at 70 vessels (22%) through to 2024

#### Global VLGC fleet profile — average age of 10.5 years

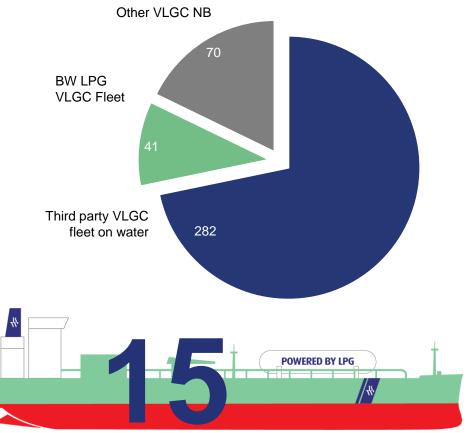


2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024



**BW LPG VLGC market share<sup>3</sup> of 13%** 

**RWIPG** 



Vessels will be retrofitted with dual-fuel propulsion technology

Source: BW LPG analysis, Clarksons 1. Owned VLGCs includes 7 vessels in BW LPG India 2. Data as of 26 January 2022 3. Market share based on ships on water



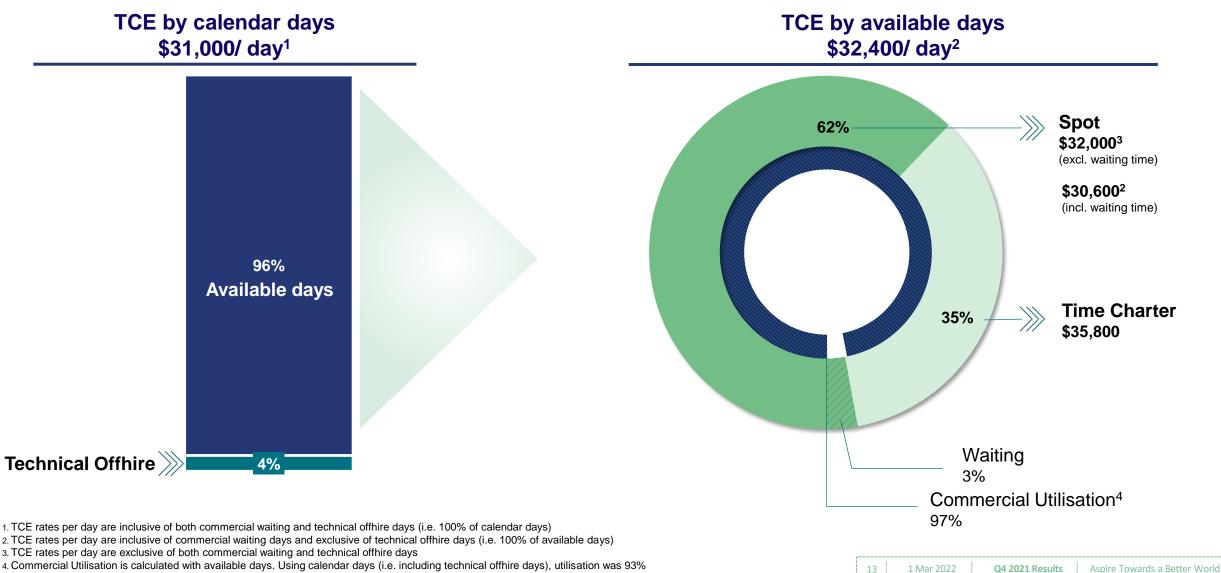
## Performance



12 1 Mar 2022 **Q4 2021 Results** Aspire Towards a Better World

### Commercial – Q4 2021 Performance

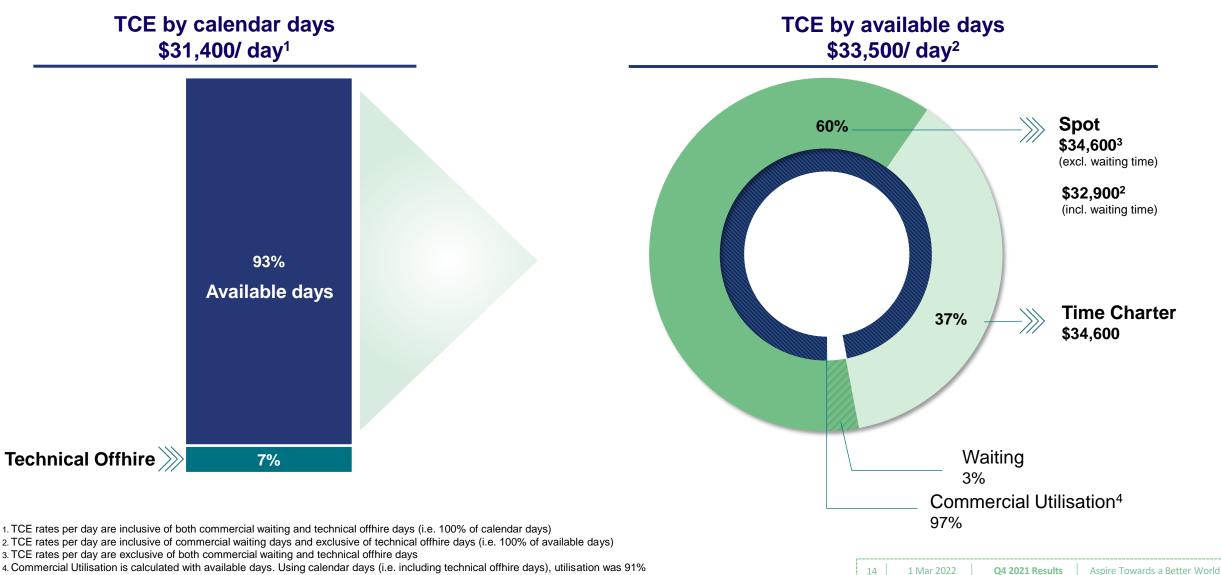
Achieved 97% commercial utilisation; generated TCE revenue of USD 32,400 per available day



5. All calculations and ratios exclude finance lease vessels

### Commercial – FY 2021 Performance

Achieved 97% commercial utilisation; generated TCE revenue of USD 33,500 per available day



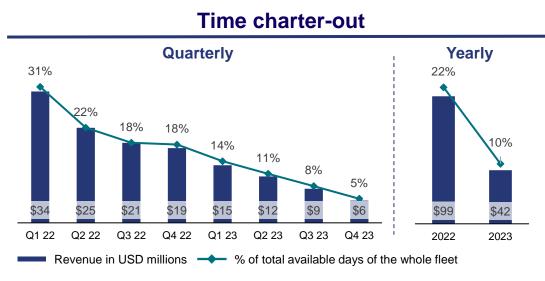
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4. Commercial Utilisation is calculated with available days. Using calendar days (i.e. including technical offhire days), utilisation was 91% 5. All calculations and ratios exclude finance lease vessels

### **Commercial – Time Charter Portfolio Overview**

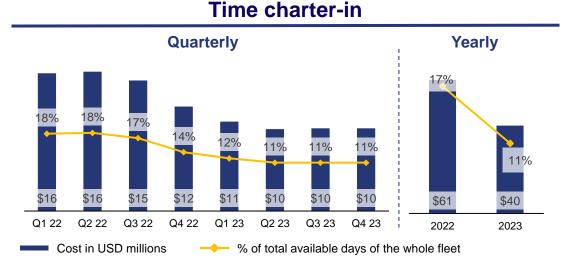


Time charter-out coverage for 2022 at 22% with an average rate of USD 32,900 per day



#### Time charter rate (USD thousands / day)





#### Net time charter position

	202	22	2023		
	% of total fleet <sup>1</sup>	Revenue/ (Cost)	% of total fleet <sup>1</sup>	Revenue/ (Cost)	
TC out	22%	\$99m	10%	\$42m	
TC in	17%	(\$61m)	11%	(\$40m)	
Net position		\$38m		\$2m	

1. Data as of 31 December 2021

2.% of fleet ratio is basis: TC out is based on total available days and TC in is based on total calendar days

### Operations – Q4 2021 Performance

Managing the world's largest fleet of VLGCs

#### Supporting our Business with Smart Shipping

- Investing in decarbonising technology and digitalisation: over USD 92 million invested in 2021 on fleet upgrades to maximise the value of assets.
- Proven and scaled pioneering LPG dual-fuel propulsion technology: indicative data from 12 retrofitted VLGCs on water suggests ~20% reduction in CO2 emissions.
- Smart operations and operational efficiency: saved approximately USD 10 million and reduced greenhouse gas emissions by ~12% from 2019 baseline.
- Continued investment in R&D: Development of Next-Gen VLGC in full swing. Also exploring other possible technologies.

Protecting the Health and Safety of Crew	
<ul> <li>~99% of crew onboard are fully or partially vaccinated.</li> </ul>	Maintenance ca
<ul> <li>Few cases of Covid-19 onboard; renewed emphasis on BW's Zero Harm initiative.</li> </ul>	Upgrade capex
<ul> <li>2021 OPEX per day of USD 8,000, of which</li> </ul>	Total capex
USD 380 per day was due to Covid-19 management measures.	Capex paid as

	2021	2022	Total
Maintenance capex	\$30m	\$16m	\$46m
Upgrade capex <sup>2</sup>	\$92m	\$31m	\$123m
Total capex	\$122m	\$47m	\$169m
Capex paid as at 31 Dec 2021	(\$114m)	(\$19m)	(\$133m)
Remaining capex to be paid	\$8m	\$28m	\$36m



#### 1. As at 31 December 2021 2. Upgrade capex includes the retrofitting of dual-fuel LPG propulsion engines and other upgrades

16 1 Mar 2022

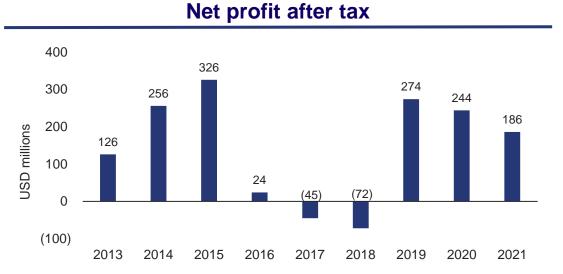
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Projected fleet capex<sup>1</sup>

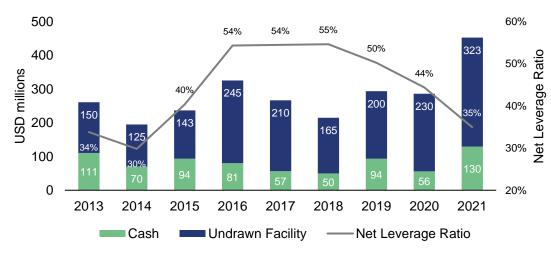
W BW LP

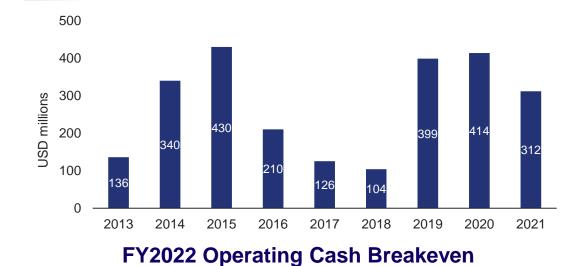
### Financial – Highlights

Highest available liquidity to-date at USD 453 million with net leverage ratio down to its lowest level in seven years at 35%



#### Available liquidity and net leverage ratio





**EBITDA** 

	USD/day
Owned fleet – operating cash breakeven <sup>1</sup>	19,300
Total fleet – operating cash breakeven <sup>1</sup>	21,000

1.Cash breakeven = Total cash costs (excluding capex) / Available days owned fleet or total fleet

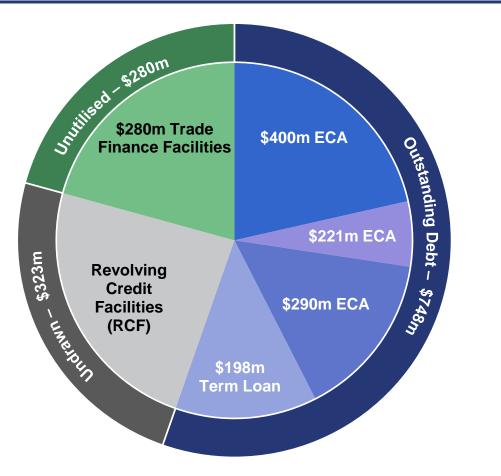
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**BWIPG** 

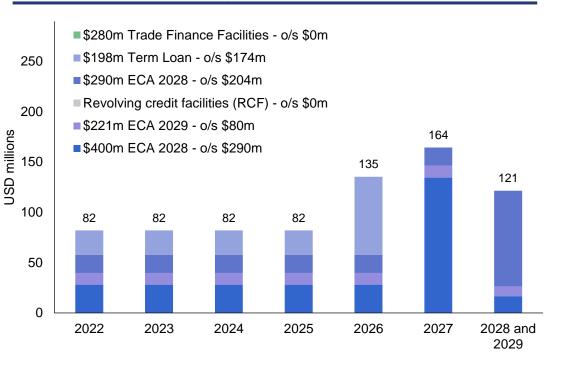
### Financial – Financing Structure and Repayment Profile

No major balloon payments due in the next five years

#### Financing structure<sup>1</sup>



#### Repayment profile<sup>1</sup>



#### Net Debt and Total Available Liquidity

	USD (millions)
Net Debt	745
Undrawn amount under revolving credit facility	323
Cash	130
Total available liquidity	453

18



Q&A

**CEO Anders Onarheim** 

CFO Elaine Ong

EVP (Commercial) Niels Rigault

EVP (Technical and Operations) Pontus Berg



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# Appendix



21 1 Mar 2022 **Q4 2021 Results** Aspire Towards a Better World

### VLGC Charter Portfolio 2022 – 2023



Overall contract coverage stands at 22% for 2022 (as of 31 December 2021)

	Q1 2022E	Q2 2022E	Q3 2022E	Q4 2022E	2022E	2023E
Owned days	2,919	2,913	2,944	2,944	11,720	11,680
Time charter in days	630	637	592	460	2,319	1,496
Total calendar days	3,549	3,550	3,536	3,404	14,039	13,176
Offhire <sup>1</sup>	(236)	(49)	(40)	(81)	(406)	(187)
Total available days (Net of offhire)	3,313	3,501	3,496	3,323	13,633	12,989
Spot days (Net of offhire)	2,284	2,740	2,857	2,729	10,610	11,722
Time charter out days (Net of offhire)	1,029	761	639	594	3,023	1,267
% Spot days	69%	78%	82%	82%	78%	90%
% TC days	31%	22%	18%	18%	22%	10%
TCE rates						
Spot	-	-	-	-	-	-
Time charter out	\$33,300	\$32,600	\$32,700	\$32,800	\$32,900	\$33,000
VLGC TCE rate (Net of offhire)	-	-	-	-	-	-
Time charter in	\$25,800	\$25,800	\$26,100	\$26,800	\$26,100	\$26,600

VLGC Charter Portfolio includes BW LPG India

1.Offhire is assumed to be 3 days per year per vessel, distributed equally per quarter, during the years the vessel does not have planned dry dockings

### BW LPG India Charter Portfolio 2022 – 2023



Contract coverage stands at 66% for 2022 (as of 31 December 2021)

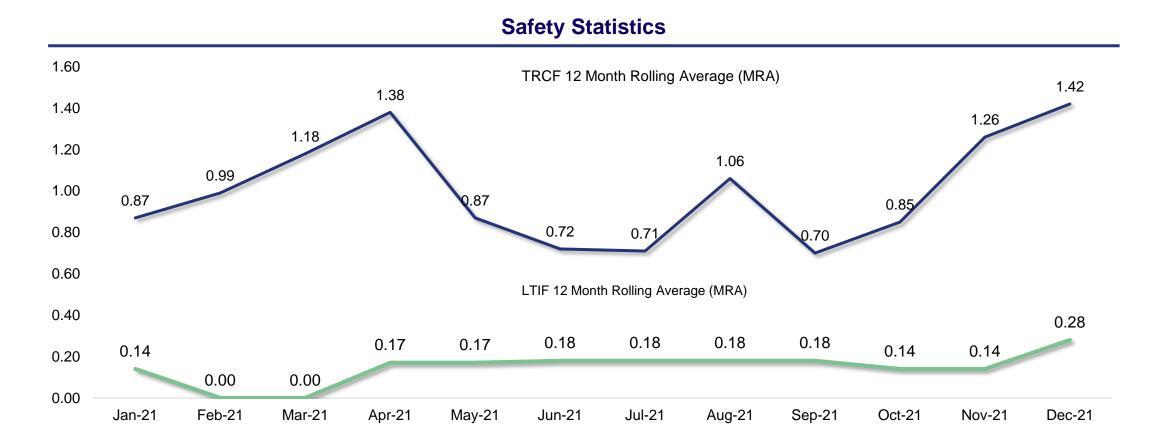
	Q1 2022E	Q2 2022E	Q3 2022E	Q4 2022E	2022E	2023E
Owned days	630	698	736	736	2,800	2,920
Time charter in days	-	-	-	-	-	-
Total calendar days	630	698	736	736	2,800	2,920
Offhire <sup>1</sup>	(3)	(19)	(20)	(20)	(62)	(76)
Total available days (Net of offhire)	627	679	716	716	2,738	2,844
Spot days (Net of offhire)	180	227	259	274	940	1,755
Time charter out days (Net of offhire)	447	452	457	442	1,798	1,089
% Spot days	29%	33%	36%	38%	34%	62%
% TC days	71%	67%	64%	62%	66%	38%
TCE rates						
Spot	-	-	-	-	-	-
Time charter out	\$32,400	\$32,400	\$32,400	\$32,400	\$32,400	\$32,400
VLGC TCE rate (Net of offhire)	-	-	-	-	-	-

BW LPG India Charter Portfolio is a subset of the VLGC Charter Portfolio

1.Offhire is assumed to be 3 days per year per vessel, distributed equally per quarter, during the years the vessel does not have planned dry dockings

### **Fleet Safety Statistics**

Safety and Zero Harm onboard remain our key focus, especially during challenging times



Total Recordable Case Frequency (TRCF): Work-related fatalities and injuries per one million hours worked

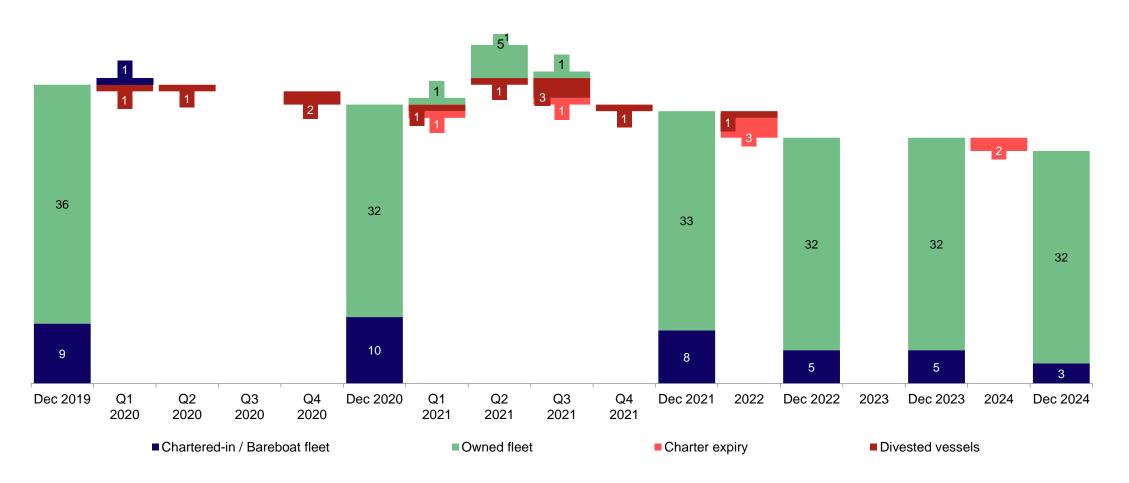
Lost Time Injury Frequency (LTIF): Workplace fatalities and injuries that leads to lost work time, per one million hours worked



### **BW LPG Fleet Development**



#### **Timeline based on current contracts**

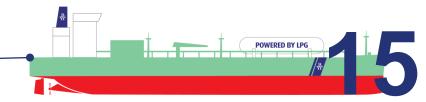


Note: The fleet timeline assumes that vessels on time charter-in will be redelivered at charter expiry 1. BW LPG India has been converted to a subsidiary and their vessels are included in the owned fleet Fleet List

**BW LPG** 

#### Modern fleet of 41 vessels built at leading shipyards (as of 31 December 2021)

NameYearShipyardNameYearShipyardBW Mindoro12017DSMEBW Austria2009DSMEBW Malacca12016DSMEBW Thor2008Hyundai H.I.BW Magellan12016DSMEBW Princess2008Hyundai H.I.BW Frigg12016Hyundai H.I.BW Loyalty2008DSMEBW Freyja12016Hyundai H.I.BW Liberty2007DSMEBW Volans12016Hyundai H.I.BW Prince2007Hyundai H.I.BW Brage12016Hyundai H.I.BW Trader2006DSMEBW Var12016Hyundai H.I.BW Trader2006DSME	Name	
BW Malacca12016DSMEBW Thor2008Hyundai H.I.BW Magellan12016DSMEBW Princess2008Hyundai H.I.BW Frigg12016Hyundai H.I.BW Loyalty2008DSMEBW Freyja12016Hyundai H.I.BW Liberty2007DSMEBW Volans12016Hyundai H.I.BW Prince2007Hyundai H.I.BW Brage12016Hyundai H.I.BW Trader2006DSMEBW Tucana12016Hyundai H.I.BW Trader2006DSME	i tulii tu	Year
BW Magellan12016DSMEBW Princess2008Hyundai H.I.BW Frigg12016Hyundai H.I.BW Loyalty2008DSMEBW Freyja12016Hyundai H.I.BW Liberty2007DSMEBW Volans12016Hyundai H.I.BW Prince2007Hyundai H.I.BW Brage12016Hyundai H.I.BW Trader2006DSMEBW Tucana12016Hyundai H.I.BW Trader2006DSME	BW Yushi	2020
BW Frigg12016Hyundai H.I.BW Loyalty2008DSMEBW Freyja12016Hyundai H.I.BW Liberty2007DSMEBW Volans12016Hyundai H.I.BW Prince2007Hyundai H.I.BW Brage12016Hyundai H.I.BW Trader2006DSMEBW Tucana12016Hyundai H.I.BW Trader2006DSME	BW Kizoku	2019
BW Freyja12016Hyundai H.I.BW Liberty2007DSMEBW Volans12016Hyundai H.I.BW Prince2007Hyundai H.I.BW Brage12016Hyundai H.I.BW Trader2006DSMEBW Tucana12016Hyundai H.I.BW Trader2006DSME	Oriental King	2017
BW Volans12016Hyundai H.I.BW Prince2007Hyundai H.I.BW Brage12016Hyundai H.I.BW Trader2006DSMEBW Tucana12016Hyundai H.I.BW Trader2006DSME	BW Messina	2017
BW Brage12016Hyundai H.I.BW Trader2006DSMEBW Tucana12016Hyundai H.I.	BW Kyoto	2010
BW Tucana <sup>1</sup> 2016 Hyundai H.I.	BW Tokyo	2009
BW Tucana <sup>1</sup> 2016 Hyundai H.I.	Berge Nantong	2006
	Berge Ningbo	2006
	Total 8 vessels (0.7 n	nillion CBM)
BW Njord <sup>1</sup> 2016 Hyundai H.I.		
BW Balder <sup>1</sup> 2016 Hyundai H.I.	VLGCs in BW LPG Inc	dia
BW Orion <sup>1</sup> 2015 Hyundai H.I	Name	Year
BW Libra <sup>1</sup> 2015 Hyundai H.I	BW Pine	2011
BW Leo <sup>1</sup> 2015 Hyundai H.I	BW Lord	2008
BW Gemini <sup>1</sup> 2015 Hyundai H.I.	BW Tyr	2008
BW Carina 2015 Hyundai H.I.	BW Oak	2008
BW Aries 2014 Hyundai H.I.	BW Elm	2007
BW Niigata <sup>2</sup> 2010 Mitsubishi H.I.	BW Birch	2007
BW Odin 2009 Hyundai H.I.	BW Cedar	2007
Total 26 vessels (2.2 million CBM)	Total 7 vessels (0.6 n	million CDM



Vessels will be retrofitted with dual-fuel propulsion technology

Shipyard

Mitsubishi H.I.

Mitsubishi H.I.

Hyundai H.I.

DSME

Mitsubishi H.I.

Mitsubishi H.I.

Hyundai H.I.

Hyundai H.I.

Shipyard

Kawasaki S.C.

DSME

Hyundai H.I.

Hyundai H.I.

Hyundai H.I.

Hyundai H.I.

Hyundai H.I.

Charter type

Time charter

Ownership (%)

88%

88%

88%

88%

88%

88%

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