



INVESTOR PRESENTATION

February 2023



H2G
Green Limited

EMPOWERING FUTURE GENERATIONS

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The contact person for the Sponsor is Ms Bao Qing – Registered Professional, 36 Robinson Road, #10-06, Singapore 068877, sponsor@rhtgoc.com.



H2G GREEN – INDEPENDENT DIRECTORS



Lau Ping Sum Pearce
Non-Executive Chairman and
Independent Director

Mr. Lau Ping Sum Pearce was appointed as an Independent Director of the Company and the Chairman of Board of Directors on 11 November 2019. He is also the Chairman of the Nominating Committee and a member of the Audit and Remuneration Committees.



Chia Soon Hin William
Independent Director

Mr. Chia Soon Hin William was appointed as an Independent Director of the Company on 15 December 2020. He is also the Chairman of the Audit Committee and a member of the Nominating and Remuneration Committees.



Tay Shui Wen
Independent Director

Mr. Tay Shui Wen was appointed as an Independent Director of the Company on 25 May 2022. He is also the Chairman of the Remuneration Committee and a member of the Audit and Nominating Committees.



H2G GREEN - MANAGEMENT TEAM



Leow Sau Wan
Executive Director

Ms. Leow Sau Wan was appointed as an Executive Director on 18 June 2021. Ms. Leow is responsible for overseeing the Lifestyle division of the Group.



Aviers Lim
Group CEO and
Executive Director

Mr. Aviers Lim was appointed as an Executive Director on 29 July 2019. Mr. Lim is also the CEO and responsible for the overall performance, strategic direction and business development of the Group. In addition, he is the CEO of the GasHub Group.



Koh Beng Leong
Executive Director - Finance

Mr Koh Beng Leong was appointed as an Independent Director on 12 August 2005. On 11 November 2019,, he was appointed Finance Director and on 9 July 2020 redesignated as Executive Director - Finance. He is also an Executive Director of Green Energy Investment Holdings (GEIH)



H2G GREEN – SUBSIDIARY MANGEMENT TEAM



Sydney Kwan
CEO, GEIH

Mr. Sydney Kwan was appointed on 7 February 2023. He focuses on the development of clean energy projects in Asia using the GEIH CHyP (Cellulose to Hydrogen Power) engine technology which converts biomass waste streams to a synthetic gas yielding a high content of hydrogen.



Bentinck Ng
CEO, GasHubUnited Utility Pte Ltd

Mr. Bentinck Ng was appointed on 22 March 2021. He oversees the technological aspect of the group relating to the trigenerational technology and the LNG business. Bentinck graduated from the University of Surrey (UK) with a BEng in Electronic and Electrical Engineering and has more than 20 years of business experience in Asia.



Company Overview



5A1.SI

Stock Code



S\$0.021

Stock Price

(As of 16 February 2023)

Stock
Data



44.5%

Free Float

(As of 16 February 2023)



S\$23.1M

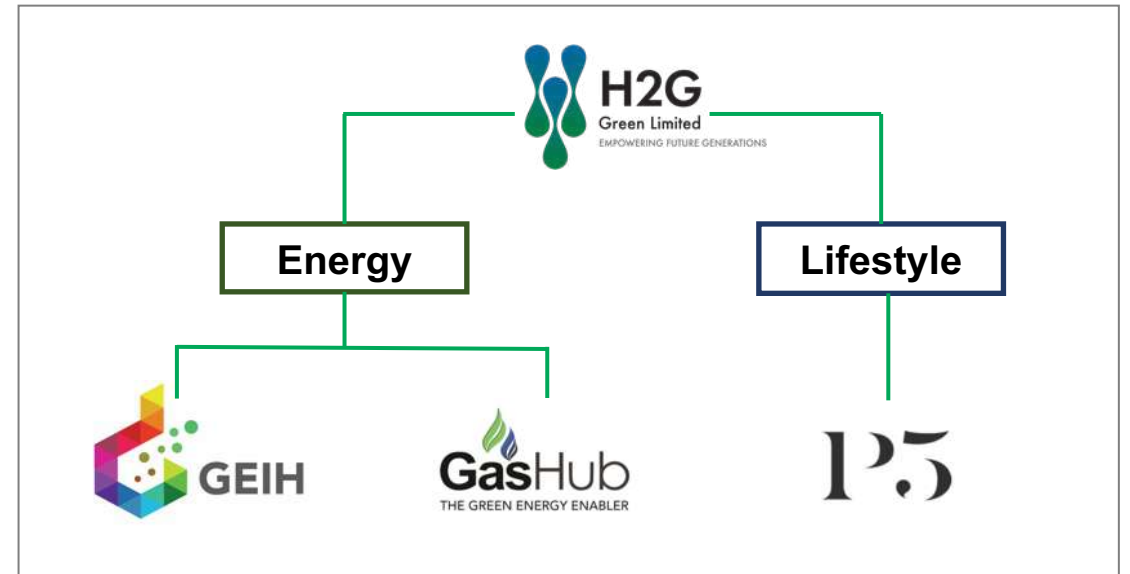
Market Cap

(As of 16 February 2023.
Based on 1,099mm shares)

H2G Green Limited (the “Company”) is a sustainability focused platform spearheading the energy transition. Key subsidiaries include:

- (i) Green Energy Investment Holding Private Limited (“GEIH”);
- (ii) GasHubUnited Utility Private Limited (“GUPL”).

By leveraging proprietary technologies, H2G enables customers to reduce cost while lowering their carbon footprints.



Our Subsidiary



GasHub specializes in the last mile distribution of Liquefied Natural Gas (LNG) via LNG ISO tanks and cylinders. GUPL's offering allows commercial and industrial end-users to access a cleaner and lower-cost energy source.



GEIH is engaged in the development of processing plants for the conversion of non-food cellulosic biomass waste into hydrogen and other useful products (e.g., activated carbon and renewable fuel) using advanced pyrolysis technology.

P5



P5 is a luxury furniture business that carries an impressive selection of renowned designer furnishing and home decor brands of impeccable craftsmanship and quality, creating the perfect home is never easier.



We have **Critical Challenges** to Solve.



CLIMATE CHANGE

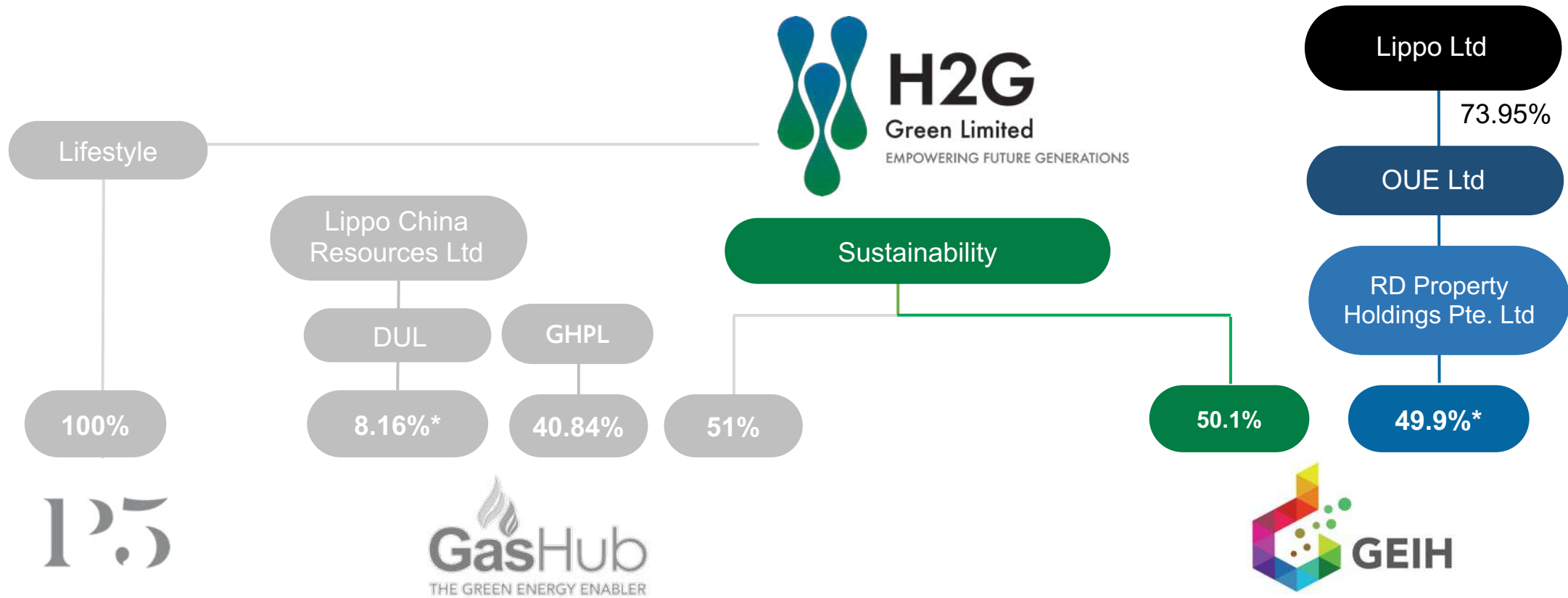
The effects of climate change have been visible. This has disrupted the balance of nature globally, posing a threat of all life on Earth.



ENERGY SECURITY

Energy prices have risen to their highest levels in decades. Global demand for energy continues to rise amidst tightened access to conventional supplies.

Shareholding Highlights - GEIH



GEIH Background

- GEIH is engaged in the development of processing plants for the conversion of non-food cellulosic biomass waste into hydrogen and other useful products (e.g., biochar and renewable fuel) using an advanced pyrolysis technology.
- GEIH has successfully piloted a demo and test system in Singapore and is now focused on a larger-scale rollout.

HOW IS **HYDROGEN** PRODUCED?



Biomass
(Agriculture Waste)



GEIH Bio-Reactor Facility : Waste + H₂O = Steam Reforming



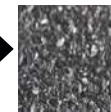
Green Hydrogen



Renewable Fuel



Wood Vinegar



Biochar

GEIH : Our Products and Usages

GREEN HYDROGEN



1. Chemical Process - Green e-methanol, Ammonia, Oil refineries and etc...
2. Hydrogen in Industrial - Incineration
3. Air, Land and Sea Transportation Fuel
4. Hydrogen Power Generation and Storage



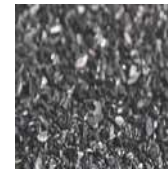
RENEWABLE FUEL

1. SAF (Jet fuel)
2. Gasoline
3. Diesel
4. Kerosene



WOOD VINEGAR

1. Promote plant's growth
2. Improve seeds germination
3. Pest and insect repellent
4. Improve soil quality



BIOCHAR

1. Increase soil nutrients
2. Improve soil fertility
3. Pathogens control
4. Increase concrete strength



GEIH : Value Proposition



Process is carbon negative.



The cellulose fuel is renewable.



Much of fuel could be waste products.



Competitive cost vs. fossil fuels.



System flexibility allows choice of product output.



The systems are modular (i.e., operations are easily scalable).



GEIH : Building A Complementary Sustainability Portfolio



Cleaner Energy
replacement of alternative fuels
with LNG



Small-scale LNG
distribution



Lower cost and carbon
emissions vs incumbent fuels

Power Generation

Cleaner energy for industries



Renewable Energy
and carbon negative
green waste recycling



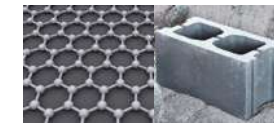
Uses agricultural and horticultural waste



GEIH Processing facility



Green Hydrogen



Battery and Concrete



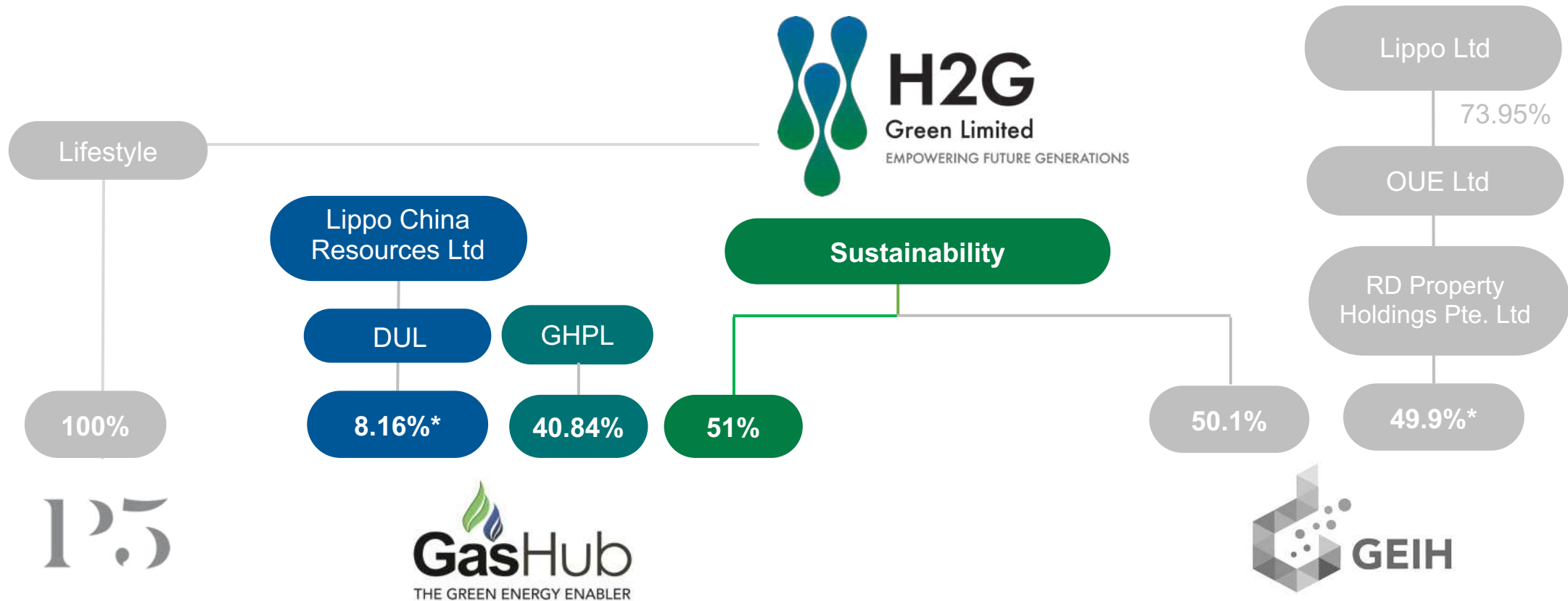
Biochar



Agriculture

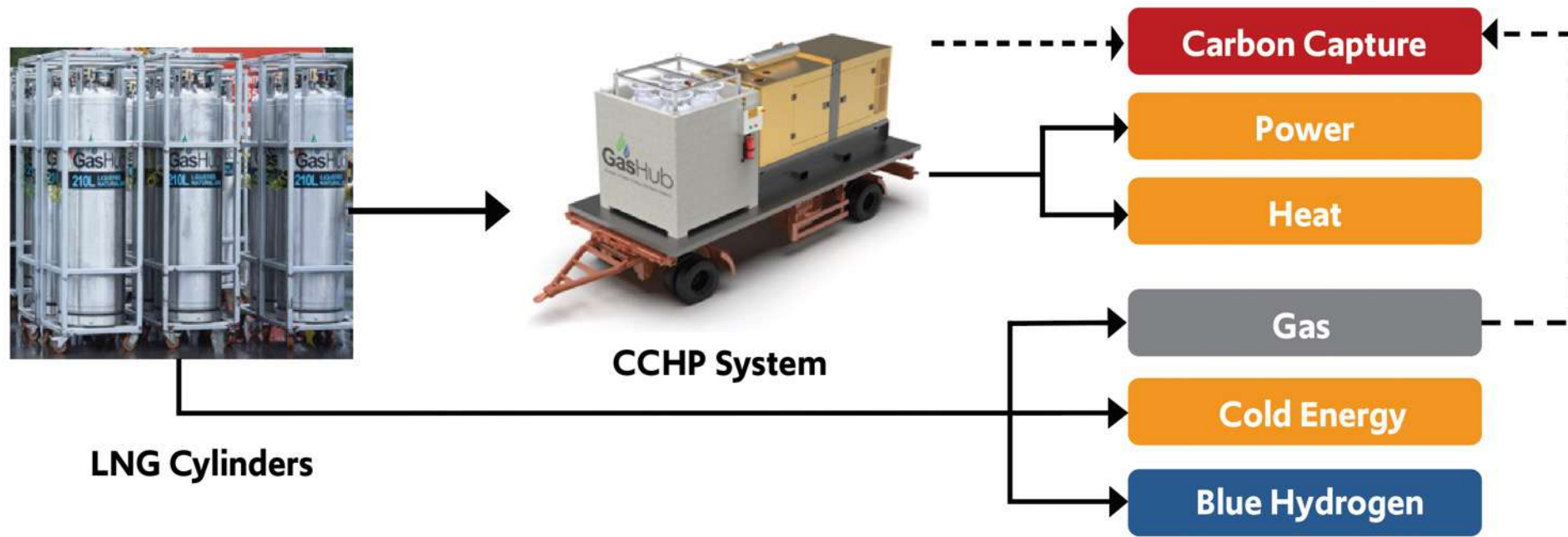


Shareholding Highlights – GasHub

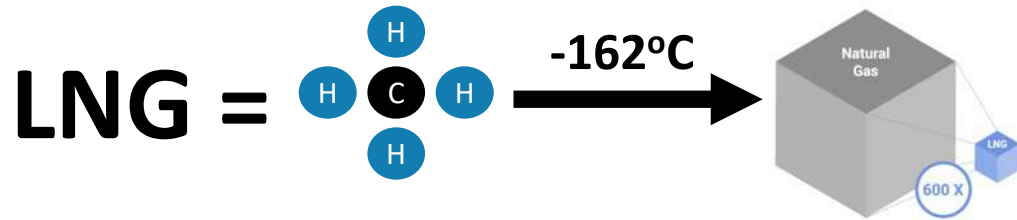


GASHUB Background

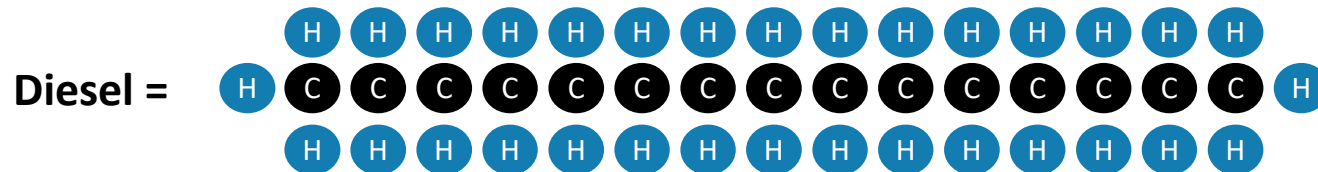
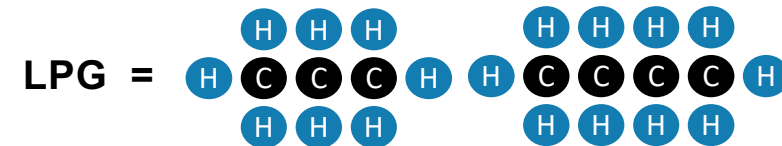
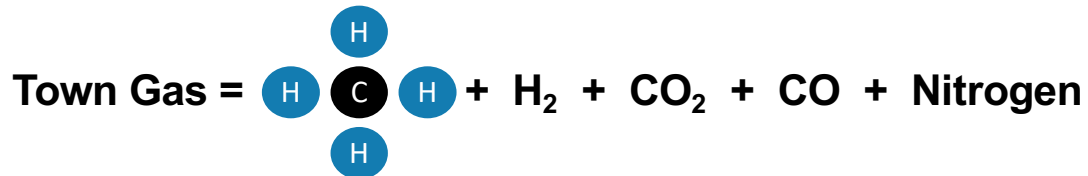
- GUPL specializes in the last mile distribution of Liquefied Natural Gas (LNG) via tanks and cylinders.
- GUPL's offering allows commercial and industrial end-users to access a cleaner and lower-cost energy source (especially compared to diesel).
- Coupled with distributed power solutions such as CCHP (Combined Cooling Heating and Power) systems, GUPL is well positioned to assist its customers in enhancing their energy efficiency profiles



GASHUB : What is LNG?



Liquefied natural gas (LNG) is a clean-burning and efficient fuel that has several advantages over diesel, LPG, and Town Gas. LNG produces significantly lower emissions compared to diesel, LPG and Town Gas.



GASHUB : Why LNG?

Fossil Fuels

- Coal
- Diesel
- Gasoline
- Butane
- Propane

Transition Fuel = LNG

- **Affordable** – Lower Cost Vs. Other Fossil Fuels
- **Green** - Lower Carbon Footprint and no Nox / Sox
- **Safe** – Narrow Flammability Limits
- **Clean** – Non-toxic, LNG vaporizes and leaves no residue
- **Reliable** – Non-Intermittency Vs. Solar / Wind / Hydro

Renewables

- Hydrogen
- Solar
- Wind
- Hydro
- Geothermal



GASHUB : Target Customers



Boiler Applications



Food Production



Power Generation



Laundromats



Central Kitchens



Manufacturing




Incineration



Construction



GASHUB : Value to Customers

	OLD SYSTEM	GASHUB SYSTEM	TOTAL SAVINGS
CASE STUDY 1: Diesel to LNG 	\$1.533 Mil/ Per Year	\$1.389 Mil/ Per Year	\$144,000/ Per Year
	CO2 emission from diesel	CO2 emission from LNG (base on 10% improvement on combustion efficiency of LNG vs Diesel)	CO2 reduction using LNG vs Diesel
	2,921 tons/ year	1,990 tons/ year	931 tons/ year

CO2 reduction calculation for Case Study 1	CO2 emission (Diesel) - 74.1 kg CO2/ GJ. CO2 emission (LNG) - 56.1 kg CO2/GJ. Diesel (heat energy) - 0.036 GJ/L	Diesel used (Average) - 3000 L/day Diesel used (Average) – 1095,000 L/year Total Diesel energy from diesel – 39420 GJ/L
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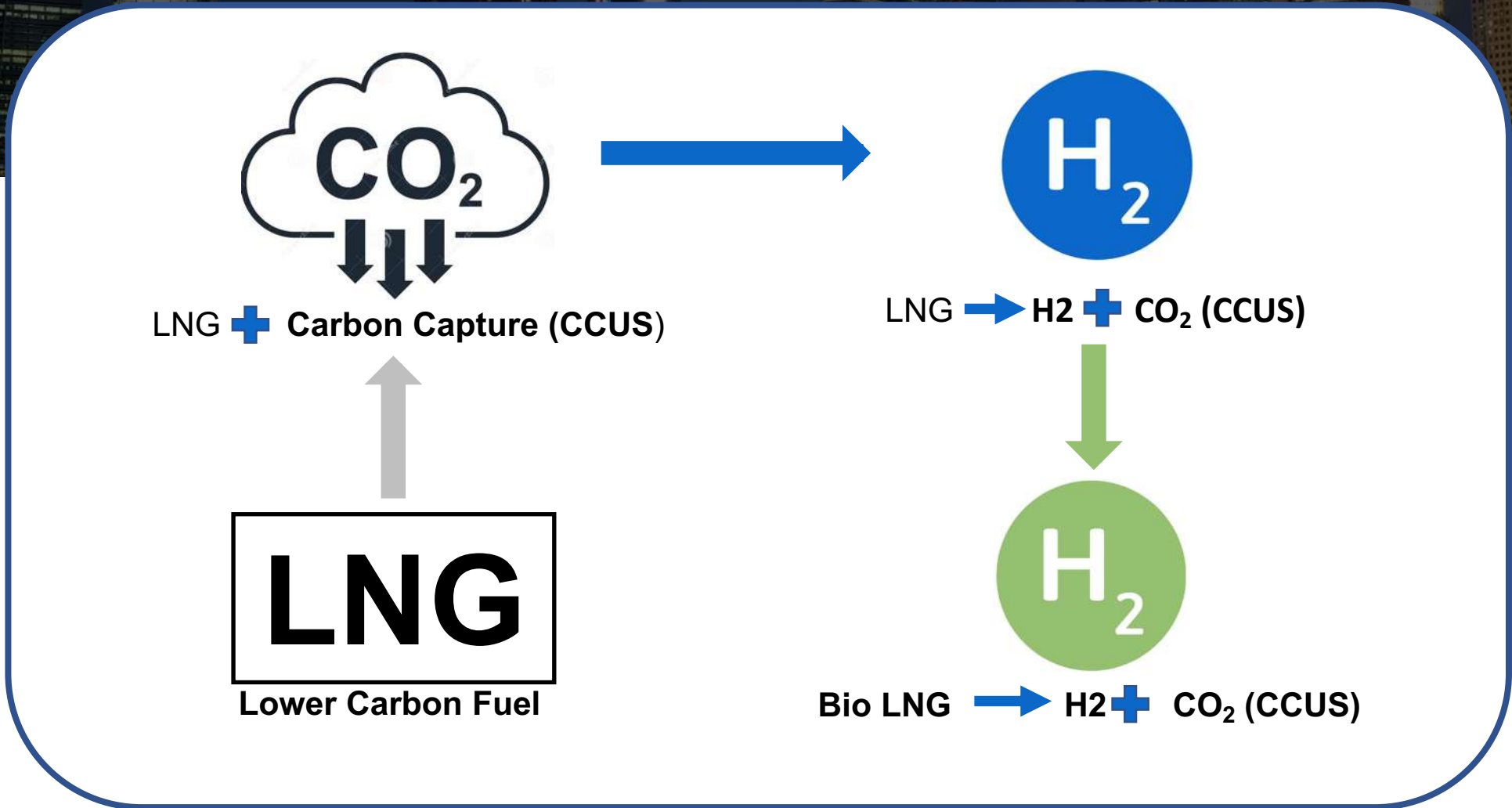
GASHUB : Business Model



- GUPL receives LNG sold by Pavilion Energy via the SLNG Terminal on Jurong Island.
- GUPL transports LNG in the form of 20 ft. ISO Tanks from the SLNG Terminal to its Jurong Island Bottling Site, which is situated 5.9km away.
- GUPL then bottles LNG into 210 L cylinders, which it transports to industrial clients for various clean energy applications.
- GUPL also services key clients on Jurong Island itself.



GASHUB : Advancing towards Net Zero



GASHUB : Outlook



- GUPL is a first mover and has established Southeast Asia's first LNG bottling facility that is already operational.
- GUPL is able to monetize significant pricing spreads between LNG and other fuels (even before factoring for higher energy efficiency and lower carbon emissions).
- GUPL has already seen increased customer adoption in recent months, and has a strong pipeline of incremental demand in place.
- GUPL further differentiates its offering by leveraging patented technology and data analytics in its operations to facilitate efficiency and enhance safety.

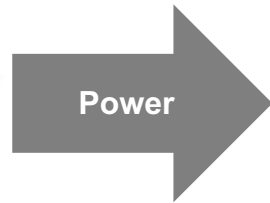


GASHUB : Conventional vs GasHub solution

CONVENTIONAL POWER PLANT



Power Plant

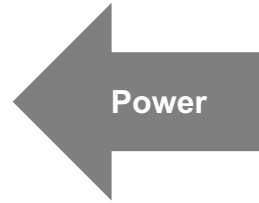


Facility

GASHUB LNG & CHP SOLUTION



Combine Heat & Power



Conventional Power Plant (Singapore)

CO₂ emission = 0.4057 kg_{CO2}/kW*
(useful energy in electricity)

<https://www.ema.gov.sg/singapore-energy-statistics/Ch02/index2>

Gashub – 1,000 kW Combined Heat and Power CHP

(using 9 GJ of LNG) produces the following amount of energy onsite.

1,000 kW electricity energy + 1,100 kW heat energy supplied to user

Total = 2,100 kW of useful energy supplied to user from 9 GJ of LNG input

CO₂ emission

= 9 x 56.1 kg_{CO2} / 2,100 kW**

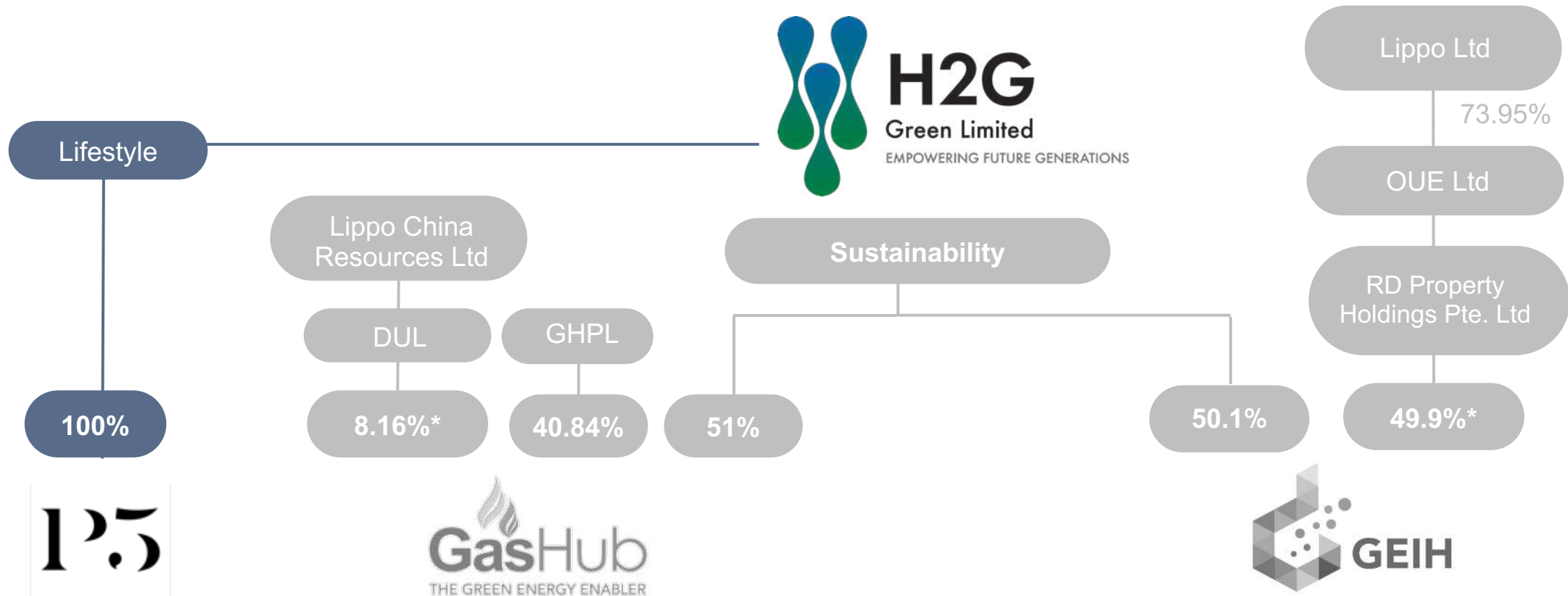
= 504.9 kg_{CO2} / 2,100 kW

= 0.2404 kg_{CO2} / kW

[https://www.nea.gov.sg/docs/default-source/our-services/climate-change/ghg_mr_guidelines_part_2_appendix_\(ver-15-jan-2020\).pdf](https://www.nea.gov.sg/docs/default-source/our-services/climate-change/ghg_mr_guidelines_part_2_appendix_(ver-15-jan-2020).pdf)



Shareholding Highlights – P5



Lifestyle Segment



- The Company's legacy lifestyle segment provides ethically and sustainably sourced luxury home products across high-end brands and styles.
- Offerings range from contemporary designer furniture and décor to modern and sophisticated lighting, lavish wall coverings, and exquisite home accessories.



P5 : Our Projects



P5 : Our Projects



8 Shenton Way



Molteni & C Dada



P5 : Our Projects



RESORT WORLD SINGAPORE - Festive Hotel (205 Rooms)



ASIA TOWER 1 - Partners Group



P5 : On-going Projects

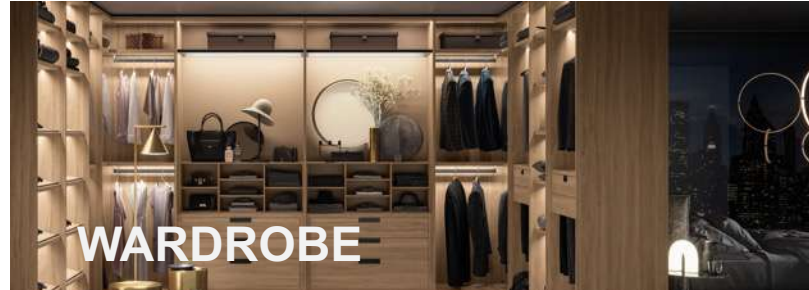


P5 : Completed Projects



KITCHEN

1. SIGLAP HILL – LANDED
2. TREVOSE CRESCENT - CONDO
3. SARACA ROAD – LANDED
4. RIDLEY PARK – LANDED
5. BEGONIA DRIVE – LANDED
6. LOTHAIN TERRACE – LANDED
7. TAMARIND ROAD – LANDED
8. BALMORAL ROAD, VOLARI – CONDO
9. BELMONT ROAD - LANDED
10. MOUNT SINAI ROAD – LANDED
11. SUNSET VIEW – LANDED



WARDROBE

1. TREVOSE CRESCENT - CONDO
2. BEGONIA DRIVE – LANED
3. LOTHAIN TERRACE – LANDED
4. TAMARIND ROAD – LANDED
5. BELMONT ROAD – LANDED
6. JALAN SENANDONG – LANDED
7. HOLLAND PARK – LANDED
8. LEO DRIVE – LANDED
9. EAST SUSSEX LANE – LANDED
10. SUNBIRD CIRCLE – LANDED
11. OEI TIONG HAM PARK – LANDED



P5 : On-going Projects



KITCHEN

1. MARGOLIOUTH - LANDED
2. JALAN JAMAL – LANDED
3. THE MARQ – CONDO
4. WINDSOR PARK HILL – LANDED
5. REBECCA ROAD – LANDED
6. SUNBIRD CIRCLE – LANDED
7. FOUR SEASONS PENTHOUSE – CONDO



WARDROBE

1. JALAN JAMAL - LANDED
2. THE MARQ – CONDO
3. WINDSOR PARK HILL – LANDED
4. HOLLAND PARK – LANDED
5. NASSIM HILL PARK – CONDO
6. PARK NOVA – CONDO
7. TANGLIN HILL – LANDED
8. THE ST REGIS – CONDO
9. FOUR SEASONS PENTHOUSE – CONDO



A Complementary Sustainability Portfolio



Cleaner Energy
replacement of alternative fuels
with LNG



Small-scale LNG
distribution



Lower cost and carbon
emissions vs incumbent fuels

Power Generation



Cleaner energy for industries



Renewable Energy
and carbon negative
green waste recycling



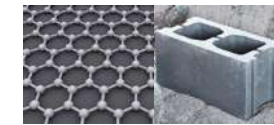
Uses agricultural and horticultural waste



GEIH Processing facility



Green Hydrogen



Battery and Concrete



Biochar



Agriculture



Investment Merits

- **H2G** is a beneficiary of increasing demand for lower carbon energy and has a focus that dovetails with Singapore's National Hydrogen Strategy.
- Inflecting earnings profile as commercialization follows years of development.
- Broader growth opportunity into the rest of Asia using Singapore as a base.
- Subsidiaries have strategic support from regional conglomerates / industrial partners.
- Experienced management team with a track record of over 3,000 gas piping and engineering projects over the past 30 years.



Investment Merits : Patent Protected



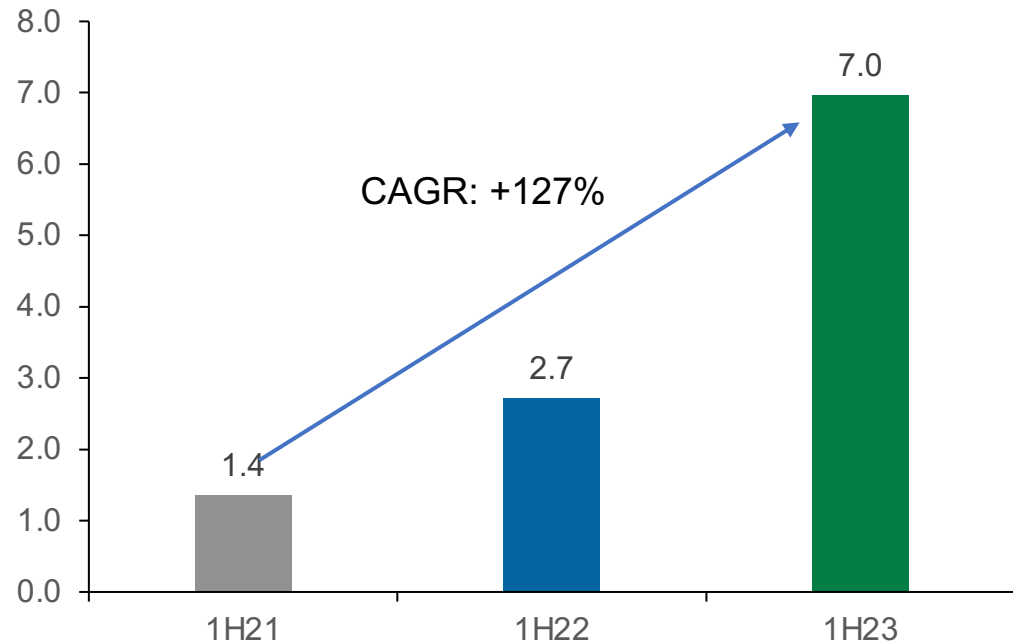
Intellectual Property Records

No	Patent / Invention	Name of Applicant / Proprietor	Patent / Application No.	Country of registration/ application	International Patent Classification	Application Status
1	Electrode Composite Material	Gashubunited Utility Private Limited & Nanyang Technological University Singapore	US8, 148,027 B2	International	H01M 8/10 (2006.01) H01M 8/04 (2006.01) 429/483, 429/413, 429/450/ 429/492, 429/512	Patent in force. 3 April 2012
2	A Cryogenic Storage System	Gashubunited Utility Private Limited	10201809848W	Singapore	-	Patent in force. 8 December 2020
3	A Manifold Assembly	Gashubunited Utility Private Limited	10201809849X	Singapore	-	Patent in force. 21 July 2021
4	A Gas Recovery System	Gashubunited Utility Private Limited	10202007141Y	Singapore	-	Patent in force. 8 August 2022
5	A Caisson Box Structure	Gashubunited Utility Private Limited	10202008595X	Singapore	-	Pending (Published)
6	An Energy Recovery System	Gashubunited Utility Private Limited	10201900391Y	Singapore	F17C 7/04, F25J 3/02	Pending (Published)
7	Method and System for Carbon Dioxide	Gashubunited Utility Private Limited	10202202033P	Singapore	-	Pending (Published)
8	Method and System for Generating Syngas	Green Energy Investment Holding Pte Ltd	10202112647V / PCT/SG2022/050728	Singapore / International	-	Pending

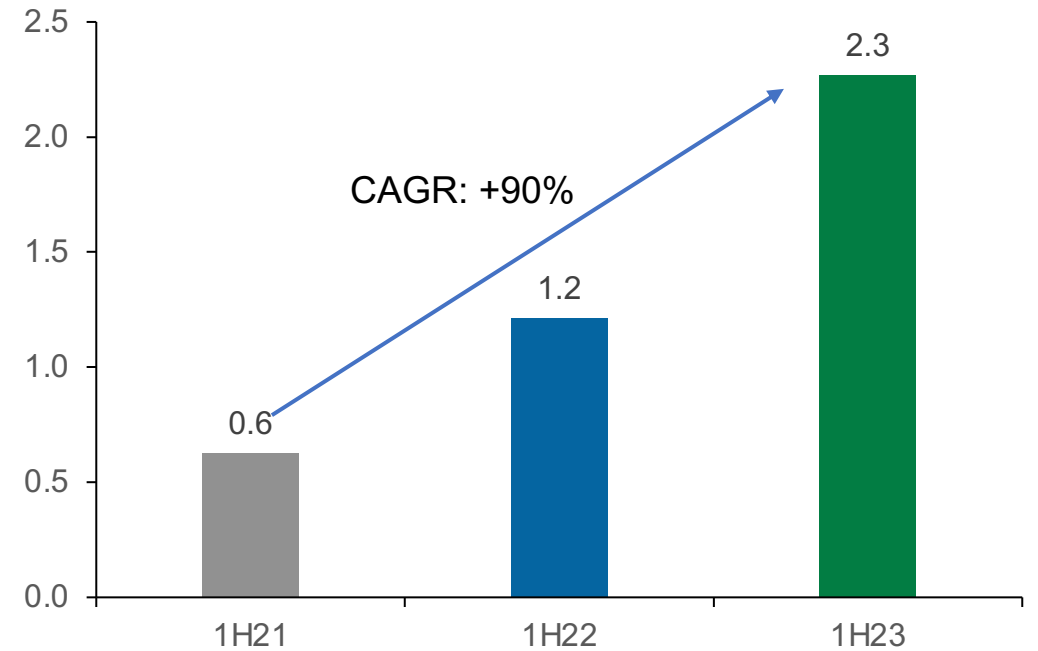


Financial Highlights of the Company

Revenue (S\$m)



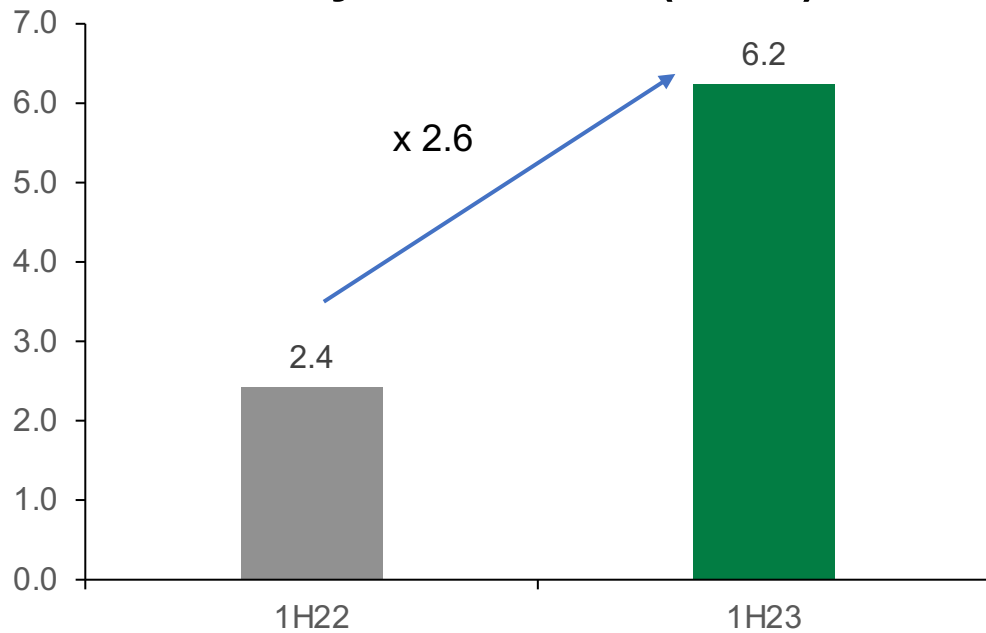
Gross Profit (S\$m)



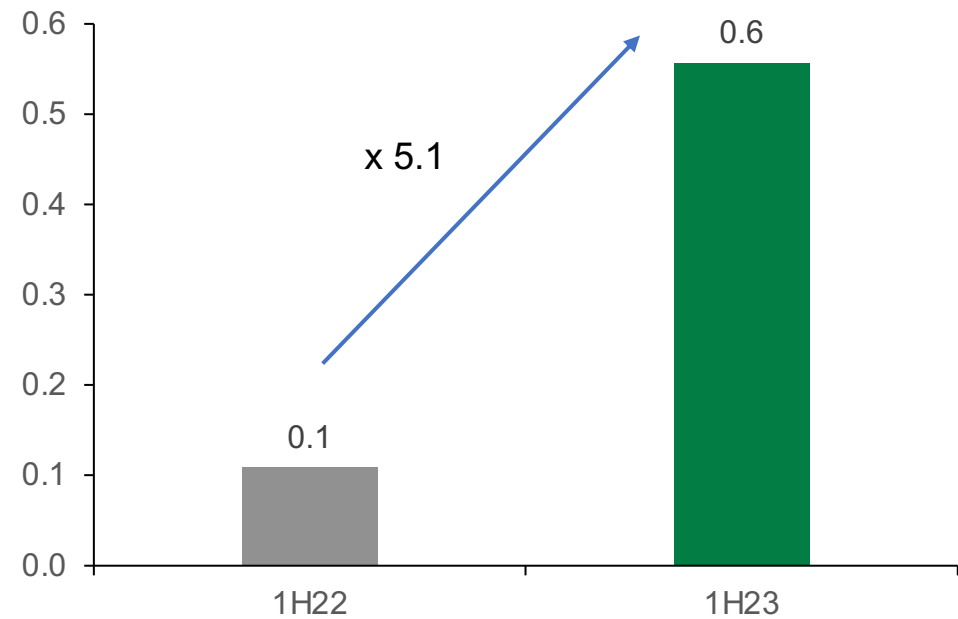
Financial Highlights of the Company

- Growth in Lifestyle Business Segment due to business recovery from post-pandemic and easing of supply chain bottleneck
- Energy Segment gearing up to be operationally ready

Lifestyle Revenue (S\$'m)



Energy Revenue (S\$'m)





Thank You



For Investors and media contact

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