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ASX:HZR

Hazer Group Ltd

Clean hydrogen technology to decarbonise the world

Corporate Presentation
November 2022

HazerGroup™

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Investment Highlights

A disruptive and world-first hydrogen production technology well positioned to play a substantial role in global decarbonisation.

Rapidly growing demand for hydrogen in a US$12 trillion market by 2030

Low emission hydrogen technology with strong competitive advantage

Commercial Demonstration Plant de-risking technology with production for 2023

Clear pathway to commercial scale at Burrard-Hazer Plant, Canada

Building global partnerships across strategic markets and with stakeholders in hard-to-abate industries

Balance sheet strength to fund projects, R&D and business development programs

Highly experienced team and extensive R&D capability

2022: A solid platform for growth

Hazer Group Highlights

- Technology development strategy aligned with growth in hydrogen market
- Construction and first-phase commissioning complete at 100tpa Hydrogen Commercial Demonstration Plant (CDP) at Perth, Australia
- Agreement with Suncor Energy and FortisBC to develop 2,500 tpa Burrard-Hazer Hydrogen Production Plant in Canada*
    - Government grant (C$8m) secured funding project to 2023 Final Investment Decision (FID)
- Continued strong R&D program to develop application in growing market for graphite & advanced carbon materials
- Substantial progress made with IP protection strategy securing and advancing key patents in multiple jurisdictions
- New CEO appointed to lead Hazer's next phase of growth

Suncor & Fortis CDP Site Visit - October 2022

* Refer ASX announcement "MOU for low-carbon hydrogen production project in Canada", 11 Feb 2022.

Building a leading position in a rapidly growing market

COP27 is seeking to accelerate global climate action through emissions reduction. Particular focus on decarbonisation strategies, technology enablers and hydrogen's role in hard-to-abate industrial sectors.

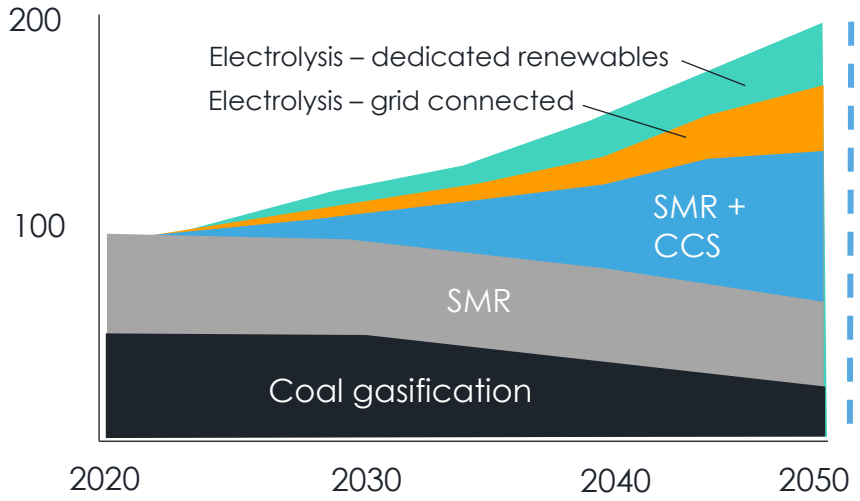
By 2050

~200-600 Mt of H_2 required to fill the gap needed to complete the transition to 100% renewable energy[1]

Addressable market worth >**~US$12T** up from a cumulative US$90B in 2030[1]

Clean hydrogen can contribute as much as 80 gigatons (or 11%) of cumulative CO2 emissions[2]

Hydrogen could contribute more than 20% of annual global emissions reductions[2]



Global production of hydrogen as feedstock – in million tonnes p.a.

Source: DNV (June 2022) – 'Hydrogen forecast to 2050'

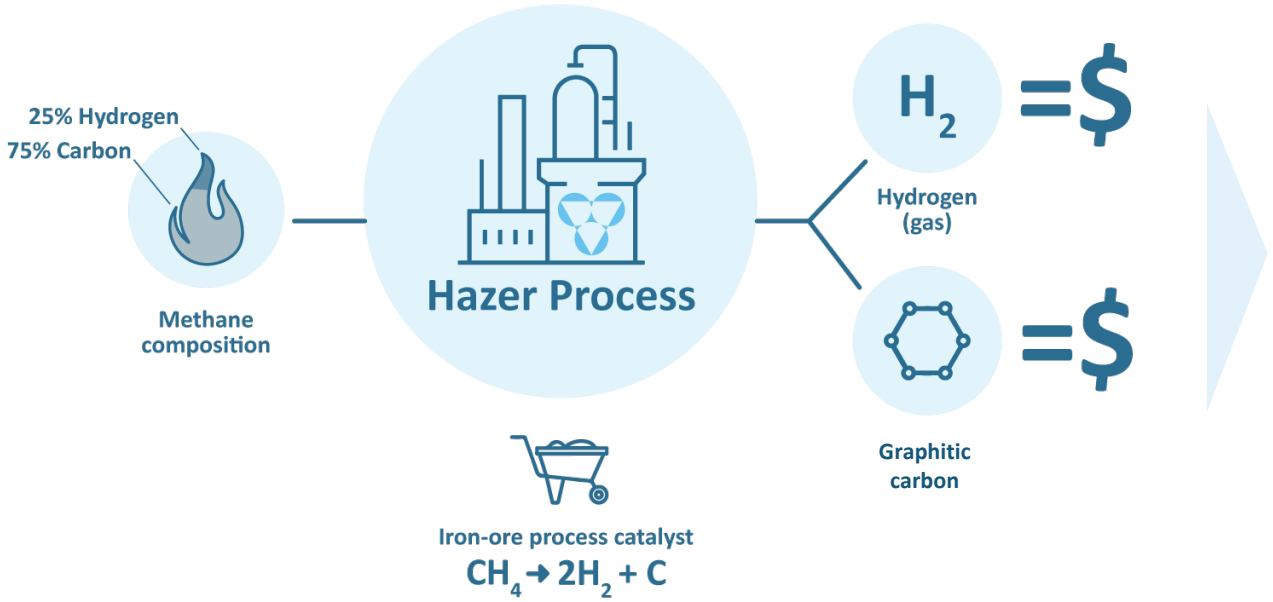
[1]New Energy Outlook 2021 | BloombergNEF | Bloomberg Finance LP (bnef.com)

[1]Wood Mackenzie (Dec 2020)- 2050:The Hydrogen possibility

[2]McKinsey (October 2022) – Five charts on hydrogen's role in a net-zero future

Clean H_2 technology with strong competitive advantage

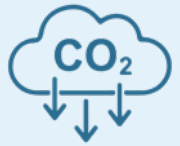
Innovative low emission methane pyrolysis technology designed to produce clean hydrogen and graphitic carbon.



Existing Technologies

Steam Methane Reforming (SMR)

$CH_4 + 2H_2O \blacktriangleright CO_2 + 4H_2$



Significant CO_2 emissions

- Most widely used process for the generation of hydrogen (~95%)
- High CO_2 emissions
- Requires CCS with geological sequestration to address emissions; expensive and difficult

Electrolysis

$2H_2O$ (+ energy) $\blacktriangleright$ $O_2 + 2H_2$

Energy intensive process

- 7x more energy intensive than SMR
- Only low emission if 100% renewable energy

Technology upscaling…

Rapid development since company founding.

(<1g* batch)

(<100g* batch)

(~1 Kg* batch)

(~<2 kg/hr* semi-continuous)

(< 60kg/hr* continuous)**

2007–2013

Bench scale testing
- University of Western Australia
- PhD (Dr. Andrew Cornejo)
- Concept evaluation

2016–present

Scaled up bench scale
- University of Sydney
- Catalyst kinetics and process research

2017

Bench scale fluidised bed
- University of Sydney
- Conceptual testing of fluidised bed concept

2017–2021

Pilot Plant
- Sydney and Kwinana (Perth)
- Fluidised bed with optimized conditions and catalyst injection

2022

Commercial Demonstration Plant (CDP)
- Perth, Australia
- End-to-end continuous plant with biogas feed
- Start up planned 2023

*Combined product scale **CDP planned start up 2023.

…and clear pathway to commercialisation

2007
Research commences at the University of Western Australia

2010 & 2015
Hazer Group established in 2010, lists on ASX in 2015, IP acquired from UWA

100tpa Hazer Commercial Demonstration Plant

May 2020
ARENA funded (A$9.4m) using biogas feedstock

2020–2022
Construction completed

2023
First hydrogen targeted

2,500tpa Burrard-Hazer Hydrogen Project *Canada*

Feb 2022
MOU with Suncor / Fortis and C$8m Canadian government funding

May 2022
Key contracts awarded for design

2025
Targeted RFSU*

2025+
Commercial Scale

25,000tpa+ Commercial Plant

Target Markets
North America
Europe
Asia

*Ready For Start Up (RFSU)

Commercial Demonstration Plant: Confirming Scalability

The first fully-integrated demonstration plant of the Hazer Process.

Hazer Team members at CDP Site, Perth, Australia

Project Summary

- 100 tpa H_2 and ~380 tpa graphitic carbon
- Carbon negative process with biogas feedstock

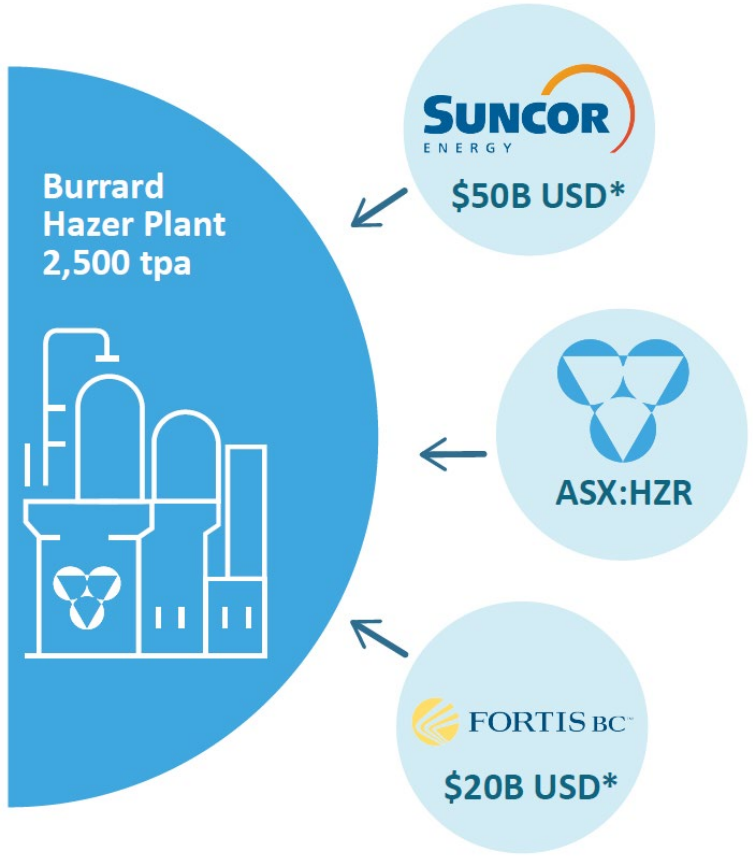
- Construction & first phase commissioning completed in June 2022

- 1st Hydrogen and graphitic carbon production on track for 2023 (phase-2 testing)

- Fully funded with ~$9.4 million construction grant awarded by Australia Renewable Energy Agency (ARENA)

Collaborating with leading energy companies in Canada

Burrard-Hazer H_2 Plant: Partnership with Suncor and Fortis to develop a 2,500tpa hydrogen facility in Burrard, BC Canada.



- Concurrently scaling up technology 25x from CDP
- MOU signed in Feb 2022 with Suncor and FortisBC
  - 2,500tpa near-commercial scale plant
  - Decarbonising pipeline network by blending with natural gas
- Target FID 2023
  - With first hydrogen expected 2025
- Secured C$8m in grant funding from the province of British Columbia. Meets funding requirements to Final Investment Decision

On 4th Nov, the Canadian Government announced federal tax credits for clean technology & low-emitting hydrogen projects

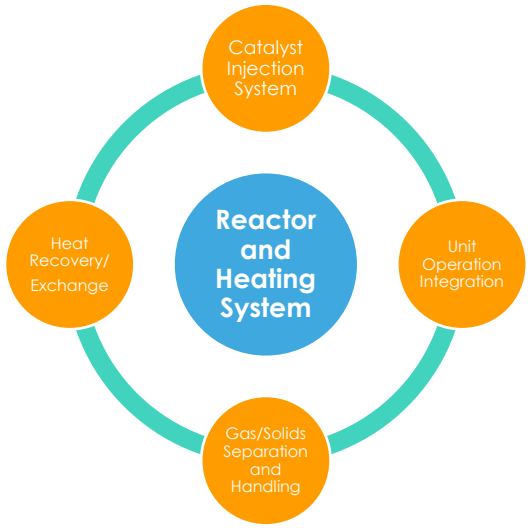
** Market capitalisation is approximate as of 31 October 2022*

Targeted Research & Development Program

Strengthen IP and expediting technology development timeline.

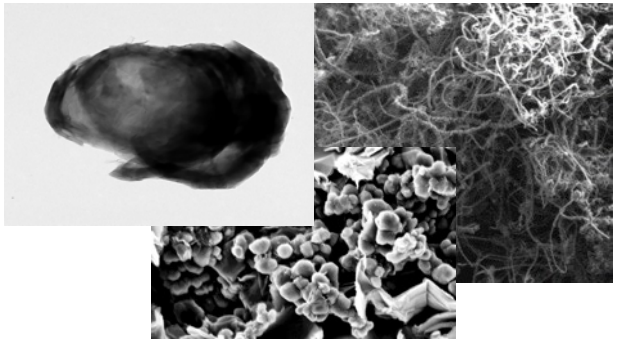
Hazer Process Development

- Development of Hazer Process towards commercial scale
- Focus on expediting development timelines



Hazer Carbon Development

- Development of carbon markets towards offtake agreements
- Tailoring graphitic carbon towards target markets

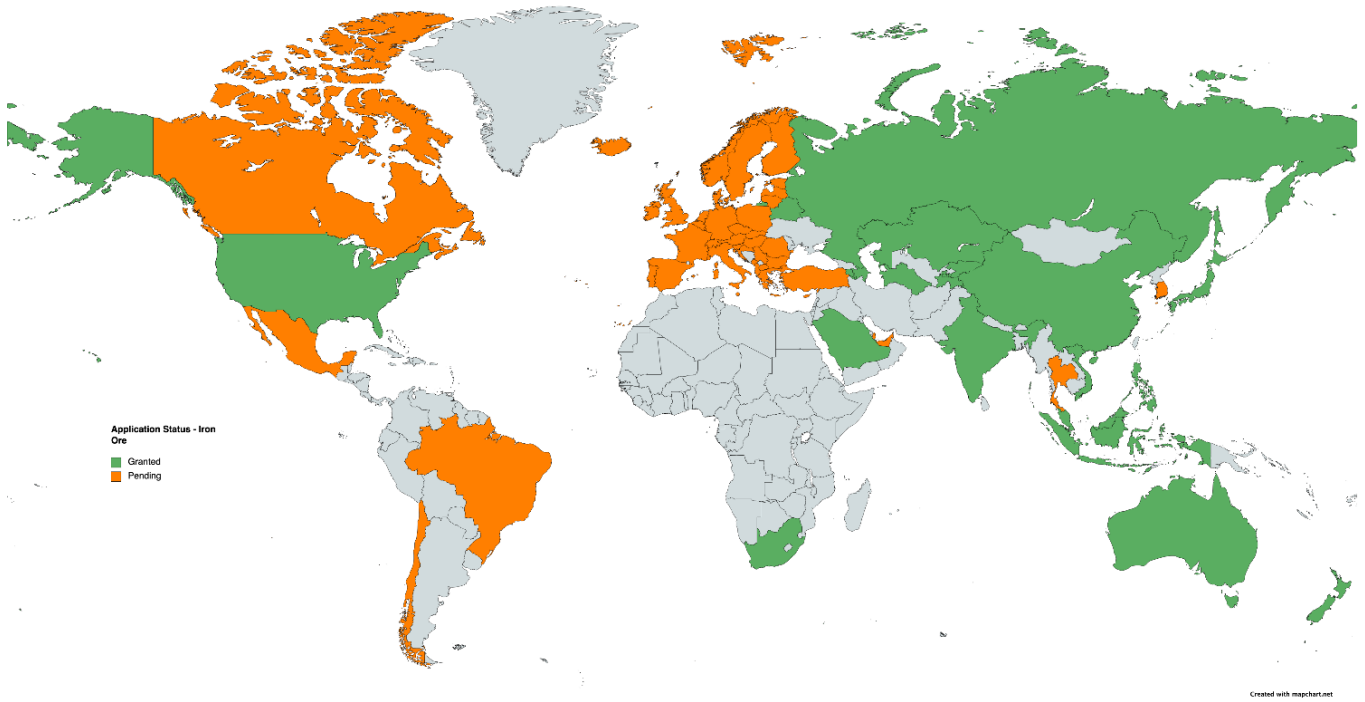


Hazer Catalyst Development

- Understanding key properties underpinning catalyst performance to strengthen IP
- Sourcing catalyst for future projects

4 patent families across 24 jurisdictions

64% of the Hazer portfolio is now accepted or granted in line with expectations.

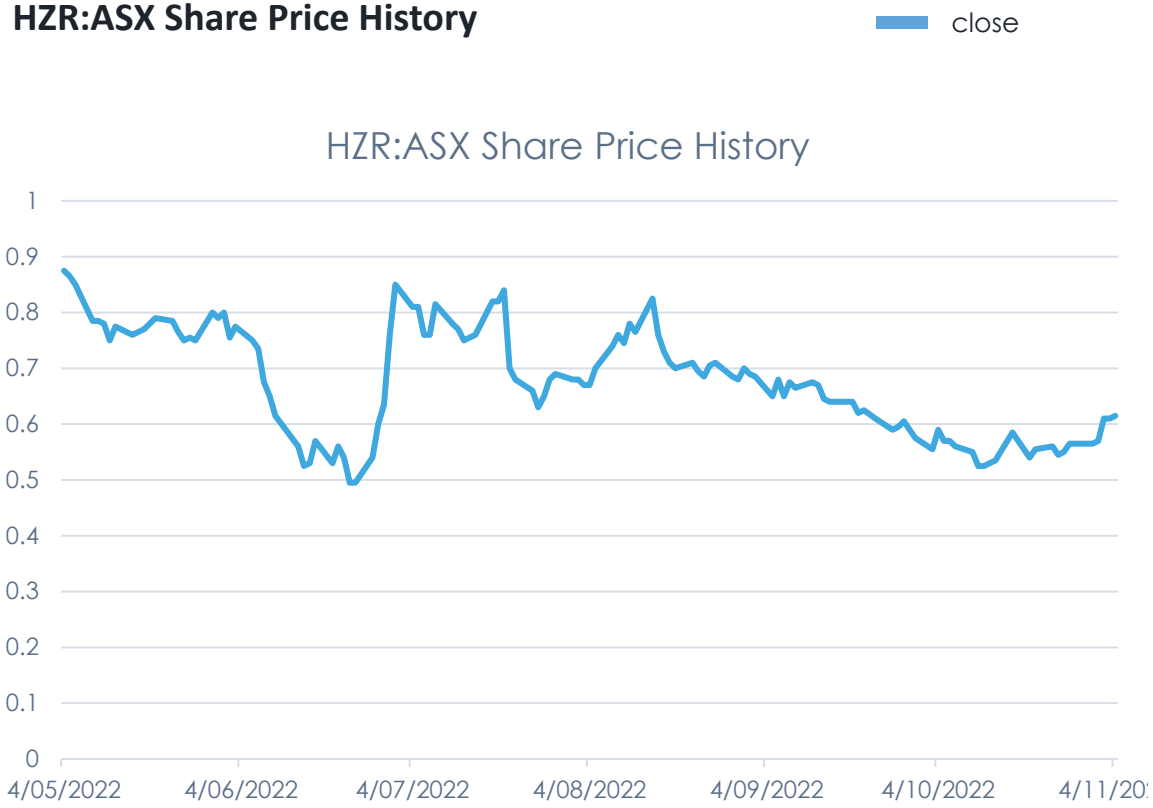


Granted | Pending

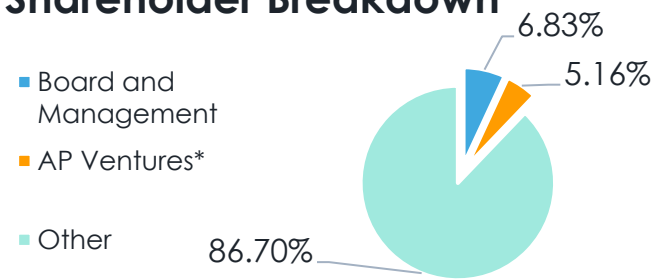
*Key Jurisdictions include: Australia, Canada, China, Europe, Japan, Korea and USA

Corporate Overview

HZR:ASX Share Price History



Shareholder Breakdown



*AP Ventures largest shareholder

Capital Structure as at 2 Nov	
Share price	$0.61
Market capitalisation (AUD)	$104 million
Shares on issue	170,443,743
Debt as at 30 June 2022	$3.8 million
Cash as at 30 Sept 2022	$15.1 million
Enterprise value	$92.7 million

Experienced Management Team

Highly experienced team with engineering, technical, marketing and corporate expertise.

Glenn Corrie – CEO

- 25 years of international energy industry, private equity and investment experience
- Previously CEO of ASX listed Sino Gas & Energy and UK focused PE backed NEO Energy.
- Senior executive positions with Ophir Energy PLC & Temasek International, responsible for global energy and renewables investments.
- 1998 to 2010, and variety of senior positions with Shell International.

Mark Edwards – COO

- Mechanical engineer with 30 years experience in industry, including various lead roles in project management, engineering management, site maintenance and operation.
- Previously senior technology specialist with experience in developing various technologies to patent award.
- Former AUA Regional Director for Light Metals division at Hatch Pty Ltd.

Luc Kox – Commercial Manager

- Over 20 years' experience in the water, oil & gas and renewable energy sectors. Particular strength in technology-based solutions and engineering in clean tech, including energy recovery from biogas.
- Extensive experience in international business development and commercial management; including market entry strategy, project development, project finance and contract development

Dr Andrew Cornejo – Co-Founder & CTO

- PhD; inventor of the Hazer Process
- Co-Founder of Hazer Group Limited
- 15 years technical engineering experience in R&D, advisory and resource development roles.
- Bachelor of mechanical engineering and commerce (UWA), Grad Cert in research commercialisation (QUT)

Harry Spindler – Company Secretary

- Experienced corporate professional with a broad range of corporate governance, reconstruction and capital markets experience spanning 20+ years.
- Worked for a number of public and private companies in the energy, resources, technology and cosmetics industries, including recently Critical Resources, Balkan Mining & Minerals and Equinox Resources.
- Member of the Institute of Chartered Accountants Australia and New Zealand (CA) and Financial Services Institute of Australia (FINSIA).

Independent Board of Directors

Commercial, Technical, Contract and Regulatory expertise.

Tim Goldsmith - Chairman

- Over 20 years as Partner with global professional services group PwC.
- Leader of PwC's Mining Group, and National China Desk Practice.
- Over 30 years corporate and commercial experience across international mining and industrial business operations.

Dr Jack Hamilton – Non-Executive Director

- Career spanning over 30 years in the energy sector, holding senior positions with Shell and Woodside.
- Experience across strategy development, commercial marketing, M&A, capital raisings, manufacturing operations and project management.

Danielle Lee – Non-Executive Director

- Corporate lawyer with more than 25 years experience having worked in private law firms, In-house counsel and the ASX.
- Broad experience advising public and private corporations on corporate transactions, capital markets and governance issues.

Andrew Hinkly – Non-Executive Director

- Founding Managing Partner of AP Ventures.
- 25 years working in the automotive and mining industries.
- Extensive global experience in finance, purchasing, strategy and new market development.

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