

Important Notices



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There are forward looking statements in this document relating to the outcomes of the Pre-Feasibility Studies and ongoing work on the WAH₂ Project. Actual results and developments of projects and the market development may differ materially from those expressed or implied by these forward-looking statements. These, and all other forward-looking statements contained in this document are subject to uncertainties, risks and contingencies and other factors, including risk factors associated with the hydrogen business. It is believed that the expectations represented in the forward looking statements are reasonable but they may be affected by a variety of variables and changes in underlying assumptions which could cause actual results or trends to differ materially, including but not limited to price fluctuations, actual demand, currency fluctuations, loss of market, industry competition, environmental risks, physical risks, legislative, fiscal and regulatory changes, economic and financial market conditions in various countries and regions, political risks, project delay or advancement, approvals and cost estimates.

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Gas Supply

Hexagon has not secured a long-term gas supply agreement. There is no guarantee that current discussions will convert into firm commitments to supply gas over the long term. It should be noted that the WAH₂ Project is contingent on securing long term gas supply in line with the assumed volumes, timing and price. If this cannot be achieved, there is a risk that the WAH₂ Project may be downgraded, deferred or may not go ahead.

Financing

Hexagon has not secured funding for the WAH₂ Project and accordingly to achieve the range of outcomes required for Phase 1, Hexagon will need to secure between A\$405M and A\$567M in funding for the project (assuming farmout of 65% - 75% project, leaving Hexagon with a 25% - 35% project share). There is no certainty Hexagon will be able farm out the Project or to raise the amount of funding when required. It should also be noted that any raise may only be available on terms that may be dilutive to shareholders or otherwise affect the value of Hexagon's shares. If the proposed farm-out or funding cannot be achieved, there is a risk that the WAH₂ Project may be downgraded, deferred or may not go ahead.

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ASX Listed Project Developer (HXG)*

Low cost, low emissions Blue Ammonia export project (WAH₂), Annual Net CF A\$244 million (100% project)¹

Targeting very large Asian Coal Co-Firing Market Opportunity, ~US\$10 Bn pa market by 2035²

Site secured & Highly Encouraging PFS Completed

FEED Approaching – Gateway to Execute Partner MOUs/Agreements

FID Target 2025

Hexagon

Materials

Introduction

Limited

¹WAH2 Project Pre-Feasibility Study Updated Announcement (ASX: 2 August 2023)

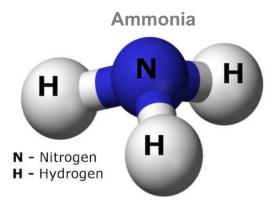
^{*}HXG.ASX. Shares on issue 512,915,901. Market capitalisation \$5 million. nil debt, cash of \$1 million as at 30 September 2023.

²Low-emissions ammonia market opportunity expected to reach 20 MTPA in Japan by 2035 based on 20% ammonia co-firing of coal flred fleet

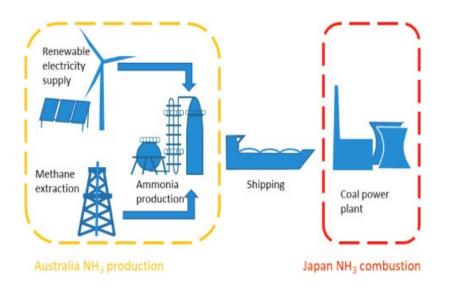
The Opportunity: Substitute Ammonia for Coal



Hexagon offers pure-play exposure to the burgeoning low-emissions ammonia market



A stable molecule providing access to the energy potential of hydrogen



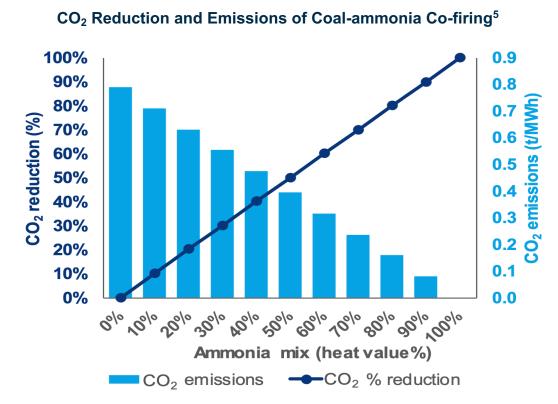
- Ammonia for Coal: Electricity producers in North Asia are targeting to substitute ammonia for coal in their thermal power stations
- Huge Market Potential: Japan's demand for low-emissions ammonia is expected to grow from ~nil to 20 MTPA by 2035¹
- Australia Well Placed: Australia is seen as a key supplier, competitive cost and secure location. LNG industry lessons
- Hexagon Best Placed: Hexagon's WAH₂ Project, based in Maitland WA, is the best-placed proposed low-emissions ammonia project in Australia
- **Project Delivery = Company revaluation:** Multiple milestones in coming months likely revaluation events for Hexagon

Market Size: US\$10 Bn per annum in just Japan



Japan plans to prioritize low-emissions ammonia to meet its climate targets

- Current Coal Generation: 1/3 of Japan's electricity needs are currently met from coal-fired generation¹
- Emissions Target: Japan has committed to reduce greenhouse gas emissions by 46% in 2030²
- Govt Backing Co-Firing: Government and industry plan that by blending Ammonia with Coal Japan's can meet low-emissions with existing power plants
- **= Huge Demand Growth:** Huge growth in market for low-emissions ammonia, expected to reach 20 MTPA³ with a value of US\$10 Bn/yr⁴ by 2035



Japan's Ammonia Criteria: To Access the Market



Japanese energy producers have three critical hurdles that suppliers need to meet





HEXAGON

Low Emissions Less than 4.2 T CO₂e /T H₂e¹, lower preferred and prioritized

Detailed engineering work by Petrofac demonstrates emissions intensity of 1.1 T CO₂e /T H₂e, further improvement opportunities identified³

Cost Competitive

US\$500 – 600 /T NH₃² delivered in Japan

Hexagon's Base Case cost of supply from the WAH₂ Project of US\$552 /T NH_{3.} Target of < US\$500 /T NH₃ based on identified opportunities³

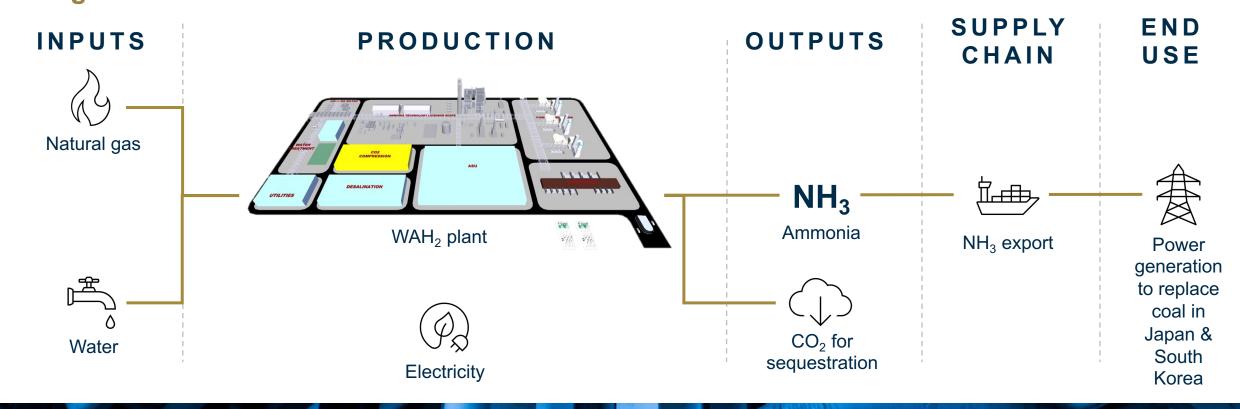
Secure Supply From established and stable trading partner countries

Australia is an established energy partner supplying 34% of Japan's energy imports⁴. Decades-long collaboration to build and sustain stable LNG supply

Project Overview: Hexagon's WAH₂ Export Plant

HEXAGON

Material volumes of low-emissions, low-cost ammonia from a stable environment. Target online before 2030



WAH₂ PROJECT FEATURES¹

Project life Production technology

25yr

O₂ fired ATR

Production capacity

600kTPA

1200kTPA

Gross Project Capex

Ph1 Ph2 **A\$1.62B A\$1.29B**

Emissions intensity

1.1kg CO₂e / kg H₂e

Project Concept: Delivers Scale and Viability



Leverage surrounding existing and developing infrastructure to accelerate market entry

Competitive H₂ production using proven technology

Converted to low emission NH₃ as the most appropriate energy carrier

Product export via existing Dampier Port

CCS¹ in depleted gas reservoirs to ensure low emissions product

Phased development to manage risks and align with market development

Reindeer

CO.

Dampier

South Hedland
Do Grey
South Hedland
Do Grey
South Hedland
CO.

Deepwater

Strong Walty

Walty

Wardie DBNGP
CS1
Millstream
Crichester
National Park
National Park
National Park
Mildga Downs
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Proximal to Japan and South Korea markets

Harnessing Northern WA's renewable energy potential

Gas feedstock via adjacent DBNGP²

Share infrastructure where practicable to reduce costs

Established

Shipping Routes

HXG

Project Site: Allocation of Maitland SIA site



Proximity enables lower cost access to required services and infrastructure



Hexagon allocated 40 ha site in Maitland SIA

 Access to existing deep-water port, existing infrastructure corridors, multiple CCS options; adjacent to DBNGP²



Award of land to proponents of other projects creates significant opportunities to share infrastructure

 Water supply, power supply, CO₂ transmission, ammonia export



Native Title approval provided by existing Burrup and Maitland Industrial Estates Agreement

 Indigenous Land Use Agreement required with Ngarluma Aboriginal Corporation



Why Hexagon?: WAH, Project is best placed



One of a kind – early mover project with competitive advantages related to technology choice and secured site



> 140 Australian Hydrogen Projects: More than 140 hydrogenrelated projects have been announced in Australia



30 Low-emissions Ammonia: Of these, only 30 are targeting low-emissions ammonia as the product



Majority Electrolysis-based: The large majority are electrolysisbased, with cost and schedule challenges



- Proving technology at scale, supply chain constraints, cost of supply



Only 5 are based on gas reforming with CCS¹

Others use coal, with emissions challenges; or biomass, unproven at scale

WAH₂ is Unique: the only proposed gas-based project with access to an existing deep-water port and multiple, mature CCS projects nearby

Project Delivery 1: Partner w/Key Industry Operators



HXG is seeking the fastest, lowest-cost, lowest-risk pathway to production

Partners accelerate pathway to operation:

By partnering with existing industry operators, Hexagon can de-risk technical issues and lower costs by using existing infrastructure.

In this way a small company can build out a large project.

Key asset (site) already secured:

Hexagon has already secured the key asset, ideally-located industrial land close to:

- Gas supply
- CO₂ sequestration projects
- Water supply
- Existing port services
- Existing ammonia infrastructure



Project Delivery 2: HXG team plus Strategic Partners

HEXAGON

Experienced team supplemented by strategic partners to secure way forward for WAH₂

Board of Directors

Project Leadership Team

Industry Partners



Charles Whitfield Chairman

CIO of Drumrock Capital Ex MD Citibank & Deutsche Bank Head of Strategic Equity Transactions



Andrew Kirk Commercial Director

Head of LNG for Power Co.. Bangkok, Ex-17 years Woodside LNG Strategy. Co-founder Green Hydrogen Asia, Malaysia



Stephen Hall **CEO/ Project Leader**

30 years-experience energy sector Ex-Woodside Energy VP Strategy, Power & New Markets Ex-VP North-West Shelf Development



Reinhardt Matisons Business Development

35 years commercial experience Energy sector. Ex-EVP Marketing, Trading & Shipping at Woodside Energy Ltd. Ex-Senior Consultant Poten & Partners



Engineering and construction specialists



Garry Plowright Non-Exec Director

Land Access and Approvals Manager at Pilbara Minerals History in Mining law, regulatory process and mine development.



Philipp Kin Non-Exec Director

Career spanning investment banking (M&A, DCM and ECM) and energy research roles including Lead WA LNG Asset Economist at Shell

A Board with a wealth of experience in developing

projects and businesses from inception to multi-

billion-dollar enterprises. Background in energy,

finance and project development.



Neil Theobald Business Development Senior Adviser Asia Natural Gas & Energy

Asscn Senior Advisor to McKinsey & Co. Ex-Chevron VP Global LNG, Gas & Trading Ex-Non-Exec Chair North-West Shelf Gas



Liz Sully **Regulatory Approvals**

25 years regulatory approvals experience in onshore and offshore energy sector Ex-Santos & Woodside Regulatory Approvals Specialist

TOPSOE

Ammonia Process specialists

The project team has combined experience in the energy sector of over 80 years with focus on technical and commercial development of projects in joint venture with Japanese corporates.

Hexagon has engaged with world class technical advisors to provide detailed technical information, costing and analysis required by Hexagon and our partners.

Project Delivery 3: Three Steps to 1st Production



Preserving shareholder value by staged approach





- Target completion Q2 2024
- **Current funding**
- Self-fund; any capital raise would occur post first strategic MoU announcement
- Prior to FEED, farm down 65-75% of project ownership



FEED

- Target completion Q2 2025
- Total expenditure ~\$12-15 M
- Self fund remaining \$3-5 M (25%-35% Hexagon share)
- Raise finance to fund the project through to FID



PH1 BUILD & COMMISSION

- Target completion 2028
- Total expenditure ~\$1,620 M
- HXG share funded 60:40 debt/project finance to equity (\$162-228 M equity)
- Ph2 considered post Ph1 with free cashflow generation

By breaking the path to production into discreet steps and bringing in partners at key steps, HXG can leverage its team and capital

Progress to Date: A lot in a short time

The HXG Team and our Partners have delivered substantial progress in a short space of time

1: IDENTIFIED THE OPPORTUNITY - EARLY MOVER

Exponential growth expected in Asian Ammonia/Hydrogen demand – Focus Japan's Co-Firing Strategy

2: ENCOURAGING PFS COMPLETED

Phase 1 600k TPA of NH3 production capacity - Annual Net Cash Flow Before Tax of A\$244¹ million (100%) – Potential FID 2025

3: ADVANTAGEOUS SITE SECURED

Allocation of site in Maitland SIA close to required services and infrastructure – gas, water, electricity, shipping export, CCS

4: POSITIVE PARTNER ENGAGEMENT

Experienced management receiving unequivocal support for concept and delivery plan from potential off-takers and project partners

5: TARGETING FEED

A key milestone to progress Partner discussions and materially derisk project will be entering FEED – clear plan to achieve



Timeline for Revaluation: Major Catalysts



Several milestones scheduled for the next 6 months that could significantly re-rate HXG. MoUs with counterparties will move the WAH₂ Project from a 'great idea' towards reality









MoUs for energy supply, gas supply, CO₂ sequestration, ammonia offtake



Conditional¹ Agreements for energy supply, gas supply, CO₂ sequestration, ammonia offtake



Initial Project Structuring and Participation Agreements



Financing Agreements



Unconditional Agreements for energy supply, gas supply, CO₂ sequestration, ammonia offtake

Compelling Investment Case

FEED on WAH₂ the next key milestone, gateway to Project Partnerships

- Early Mover in Huge Market: Hexagon is a front runner in accessing a high growth, government backed market
- Advantaged Project with great progress:
 Already secured project site in premier location with key existing infrastructure and inputs
- Near-term Catalysts: Multiple near-term milestones will be catalysts for revaluation
- Attractive Returns: Accessing government and subsidized funding would leverage shareholder payoffs
- Growth Upside: Ongoing growth profile through WAH₂ Phase 2 and additional project opportunities¹



