



Integrated Solutions for the Zero Emissions Economy



Pure Hydrogen Corporation Limited

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(ASX: PH2)

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Geological Information

The geological information in this presentation relating to geological information and resources is based on information compiled by Mr Lan Nguyen, who is a Member of Petroleum Exploration Society of Australia and the Society of the Petroleum Engineers and has sufficient experience to qualify as a Competent Person. Mr Nguyen consents to the inclusion of the matters based on his information in the form and context in which they appear. The information related to the results of drilled petroleum wells has been sourced from the publicly available well completion reports. The Company has used a conversion factor of 1.05 to convert Bcf amounts to PJs equivalent.

Note 1 – As reported in Announcement dated 4 May 2021 – the 1C 87.7 Pj, 2C 130.3 Pj and 157.9 Pj – the remaining prospective resource was 536 Pj

The total of 1.1 TCF 3C AND 14.9 TCF Prospective is a combination of Windorah gas project 770 Bcf and 8.8 Tcf, Venus Gas Project 157.9Pj 3C and 536PJ Prospective and Serowe Gas Project 200.7 Bcf and 10.072 Bcf best estimate – Pure Hydrogen has a 30% working interest in the Serowe Project.

Note 2 – The Contingent resources is a summary of 2 reports for the Windorah Gas Project. One estimate prepared by DeGolyer and MacNaughton, a leading international petroleum industry consulting firm in June 2015 in respect of the Queenscliff Area and one estimate prepared by Aeon Petroleum Consultants in respect of the Tamarama area completed in August 2019. The Prospective estimate of 8.8 Tcf is based on the work by DeGolyer and MacNaughton adjusted for the permit that was relished by the Company.

Note 3 – As reported in the Announcement on the 12 April 2022 – the Serowe Project has contingent Resources of 1C 237.5, 2C 316.7 and 3C of 395.9 Bcf and best estimated of 10.07 Bcf – all figures 100%.

ZERO-EMISSION PORTFOLIO

Spearheading the growth of zero-emission technology for the heavy-vehicle industry



ZERO EMISSION VEHICLES

Technology and IP for numerous designs of vehicles both HFC and BEV

Full suite of heavy vehicles
Ground up design – no retrofitting FCE technology into legacy equipment

Pathway to near-term cashflows with proven technology

Complements long-term potential of hydrogen sector

Strong demand pipeline for BEV buses as passenger transport



HYDROGEN EQUIPMENT

Sale of hydrogen equipment

Signed an agreement to sell equipment into Vietnam

Agreements in place to resell hydrogen equipment

First approved hydrogen fuel cell generator in QLD

Mobile refuelling options

Quick deployment of equipment as built into shipping containers



H2 PRODUCTION AND DISTRIBUTION

Becoming a hydrogen utility for production/supply companies

Developing modular Green Hydrogen production plants located within reach to customers

Emerald and Turquoise Hydrogen production plants featuring partner technology

Agreements in place to resell hydrogen equipment, with first HFC generator approved in Qld

COMPELLING INVESTMENT PROPOSITION



ESTABLISHED TECHNOLOGY BASE

Zero Emission
Fleet with
numerous
vehicle options,
including
buses, waste
trucks and
prime movers



FIRM ORDERS AND GROWING PIPELINE

Potential for
larger scale
orders

Clients include
VAHC, Barwon
Water, JJ
Richards and
Solo



GROWING INTERNATIONAL EXPOSURE

Planning has
advanced for
entry into
the US and
European
markets



ESTABLISHED MANUFACTURING CAPACITY

200 hydrogen
fuel-cell or
battery
electric
vehicles per
month



GOVERNMENT STIMULUS PROGRAMS

Governments
around the
world are
spending big on
hydrogen

In Australia the
Federal Govt
has incentives
of \$22.7bn over
the next 10
years



FY24 HIGHLIGHTS & ACHIEVEMENTS

Sales Pipeline Momentum Building in Australia

HFC Taurus Prime Mover
PepsiCo and Barwon Water

HFC Waste collection trucks
JJ's Waste & Recycling, Solo Resource
Recovery, City of Newcastle

BEV Buses
Transport NSW and Sapphire Coast Buslines

Growing International Market Opportunity

Nutcher Hydrogen (CA, USA)
Riverview International Trucks (CA, USA)
Vietnam ASEAN Hydrogen Club
ARMS Group (UAE)
Brazil's Piauí state



CUSTOMERS & PIPELINE

RECORD SALES EXPECTED FOR FY25⁴

KEY CLIENTS	DESCRIPTION	FLEET SIZE	INITIAL ORDER	STATUS	POTENTIAL FOLLOW ON
 Transport for NSW	Delivered 2 BEV mini-buses	200	2 mini-buses	2 delivered	16 buses
 Sapphire Coast Buslines					
 JJ's Waste & Recycling	Developing HCF Side-Left RCV truck and supplying Emerald hydrogen	2,000	1 refuse truck	Pending ANHV certification ¹	25 trucks
 Solo Resource Recovery	Sales agreement to supply a HCF powered waste collection truck	700	3 refuse trucks	2 assembled, 1 In build ²	83 trucks
 N2 Nutter H ²	Supplying HFCEVs in California	Distributor	1 prime mover, 1 refuse truck	In build ²	50 trucks
 Barwon Water	Sold a Taurus HFC Prime Mover	N/A	1 prime mover	In build ²	10 trucks
 Riverview International Trucks LLC	MOU to negotiate the distribution and supply of HFC EV and BEV into California	Distributor	-	Awaiting certification ³	100 trucks
 VIETNAM ASEAN Hydrogen Club	Sales agreement for the supply of 5 buses in Ho Chi Minh City	N/A	3 mini-buses, 2 coaches, 1 electrolyser, 1 refueller	In build ²	10 buses
 AG ARMS GROUP	MOU for the supply of battery electric and HFC electric commercial vehicles	Distributor	-	Awaiting certification ³	100 trucks
 ETHERO TRUCK + ENERGY	MOU for the supply of FCEV and BEV into the US market	Distributor	-	Awaiting certification ³	100 trucks
Others	Multiple parties	N/A	20 ZE vehicles 2 EV70 1 refuse truck	Awaiting confirmation	100 vehicles

1. Under assessment by Australian National Heavy Vehicle regulator

2. In build: the process of commencing building a vehicle

3. Awaiting certification on a particular component of the vehicle in compliance with international regulations

4. The expected revenue is based on contracts already signed as at 11/11/24 and assuming that sales will be delivered when expected. There may be delays in delivery of sales including factors outside the Company's control

The World's Leading Hydrogen Vehicle Company

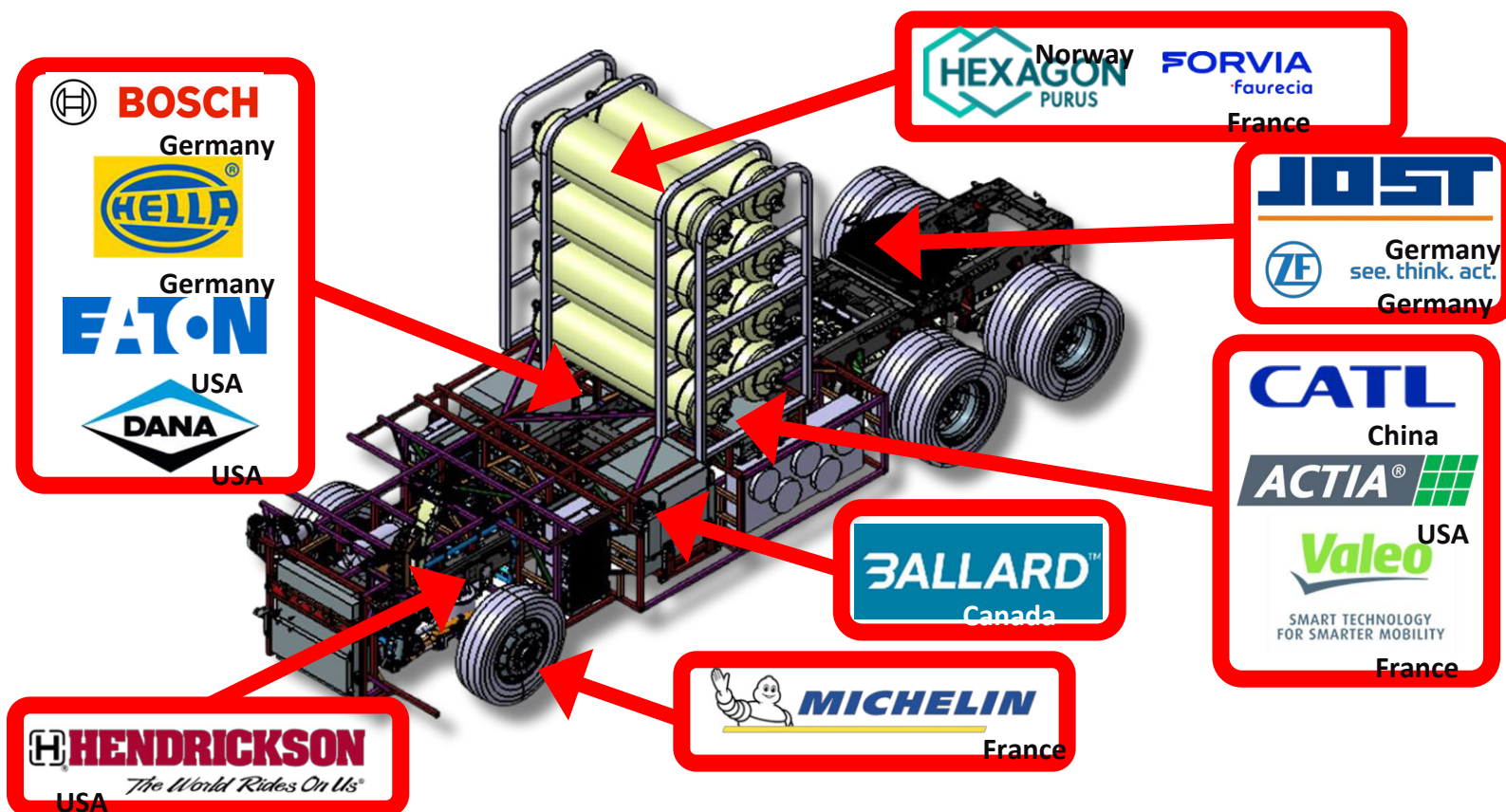
HDrive International is a global provider of hydrogen and electric vehicles for commercial transport, such as buses, trucks, prime movers and more. It offers a range of zero-emissions options and aims to decarbonise the transport industry.

Markets in which HDrive has existing export discussions and orders:

- Australia
- USA
- Saudi Arabia
- Brazil
- Europe
- UK
- UAE
- New Zealand

HIGH QUALITY COMPONENTS

HDrive supports the leading global component suppliers, with growing support of Australian product development and assembly



HYDROGEN VEHICLE SUITE



Refuse Truck

ENERGY TYPE:
H2 Fuel-Cell Electric

RANGE:
≥250km

AXLE CONFIGURATION:
6×4

TOP SPEED:
100km/h



15 - 70T Heavy Truck

ENERGY TYPE:
H2 Fuel-Cell Electric

RANGE:
≥400km

HYDROGEN FUEL CELL:
160 to 400kW, Ballard

TOP SPEED:
100km/h



FC120C Fuel Cell Coach

ENERGY TYPE:
H2 Fuel-Cell Electric

RANGE:
200km

HYDROGEN FUEL CELL:
200kW, Ballard

TOP SPEED:
100km/h



FC70 Fuel Cell Minibus

ENERGY TYPE:
H2 Fuel-Cell Electric

RANGE:
≥300km

HYDROGEN FUEL CELL:
60kW, Ballard

TOP SPEED:
75km/h

BATTERY ELECTRIC VEHICLES SUITE



EV80 Electric Midi-Bus

ENERGY TYPE:
Battery Electric

RANGE:
≥450km

BATTERY TYPE:
Traction Battery,
255kWh CATL

TOP SPEED:
80km/h



EV70 Electric Mini-Bus

ENERGY TYPE:
Battery Electric

RANGE:
≥300km

BATTERY TYPE:
Traction Battery,
31kWh CATL

TOP SPEED:
75km/h



EV70 Electric Mini-Bus

ENERGY TYPE:
Battery Electric

RANGE:
380km

BATTERY TYPE:
Traction Battery,
385kWh CATL

TOP SPEED:
100km/h



T15-EV140 Rigid Truck

ENERGY TYPE:
Battery Electric

RANGE:
≥200km

BATTERY TYPE:
Traction Battery,
141kWh CATL

TOP SPEED:
100km/h

HDRIVE MANUFACTURING AND EXPORT

HDrive is currently working towards vehicle assembly within Australia for local and international deployments

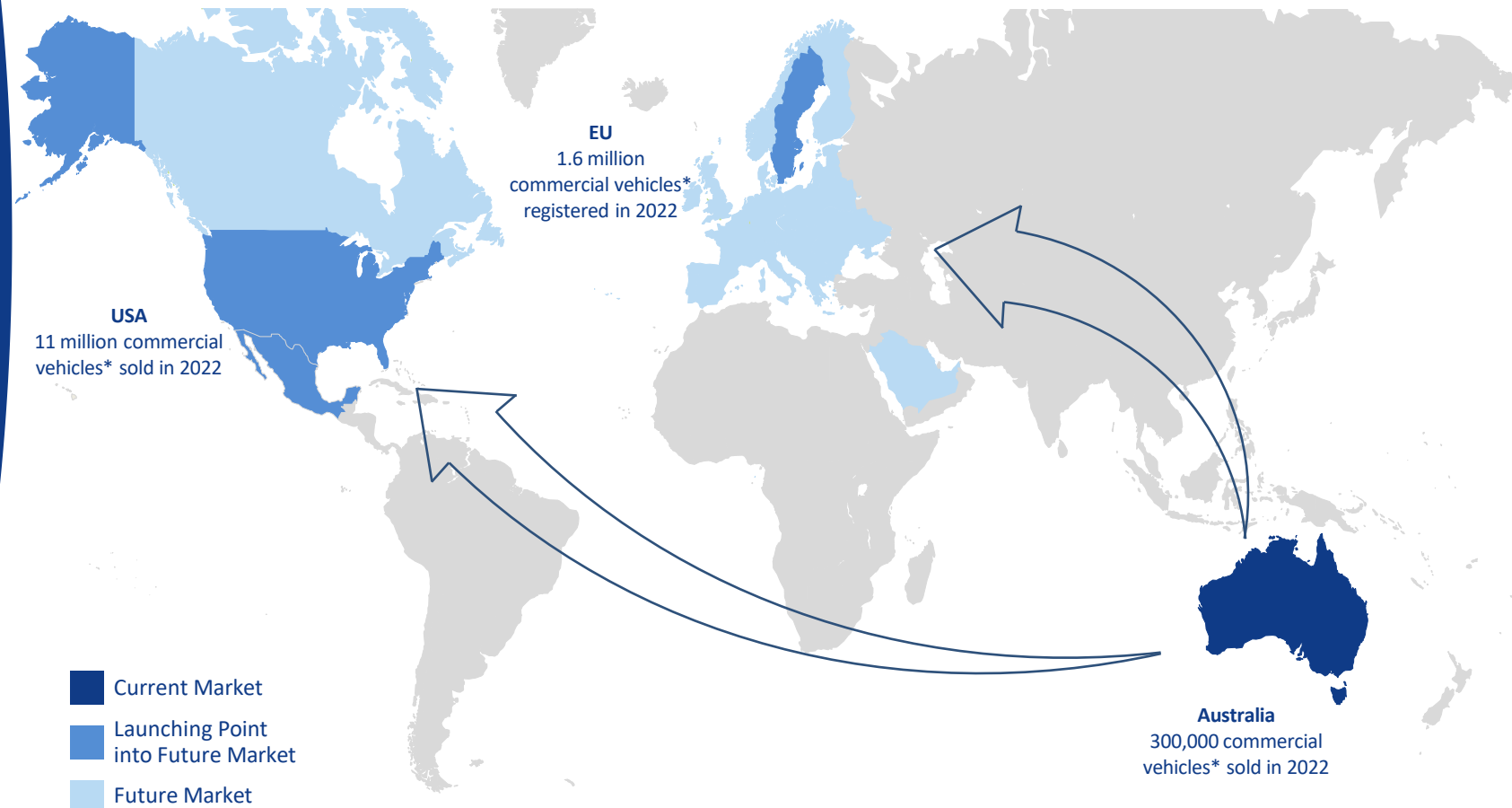
HDrive's long term goal is to assemble vehicles for export and for the local market

HDrive will employ local staff within the first year of production. HDrive will support local manufacturers and suppliers for up to 15% of materials and finished products



US market entry presents massive opportunity

- Geographic expansion
- Product deployment
 - Rigid trucks (including refuse)
 - Prime movers
 - Buses / coaches
- Micro-factories (assembly)



* Commercial vehicles category includes trucks, buses and vans

First Hydrogen Hub in Development at Archerfield Airport

- 5-year lease signed in April 2024 on a strategic industrial site located at Archerfield Airport (QLD)
- Pure intends to manufacture green hydrogen fuel at Archerfield to service commercial transport operators and the aviation industry
- State-of-the-art electrolyser is already on order, which will use net-zero electricity to produce green hydrogen
- Staged development strategy, with Stage 1 based on utilisation of 1,000m² with an anticipated output of 420kg of green hydrogen fuel per day
- Archerfield site is part of PH2's strategy to develop multiple 'CAPEX light' green hydrogen micro-hubs



Pure Hydrogen can sell or rent Electrolysers, Refuellers and Generators

All of the hydrogen equipment and power chargers are plug in play.

Pure Hydrogen is standardising equipment so that it can be delivered using shipping containers.

Pure Hydrogen have already signed an MOU with Vietnam ASEAN Hydrogen Club for the sale of an electrolyser and refuelling equipment.

ELECTROLYSERS

State-of-the-art electrolyser is already on order, which will use net-zero electricity to produce green hydrogen

GENERATORS

Ideally suited to replace standard diesel generators and to switch to emission-free hydrogen fuel cell solutions

REFUELLING

Developing refuelling stations and pods for hydrogen powered vehicles

PODS

Portable storage containers that hold 88kg of hydrogen (equivalent to 800L of diesel)

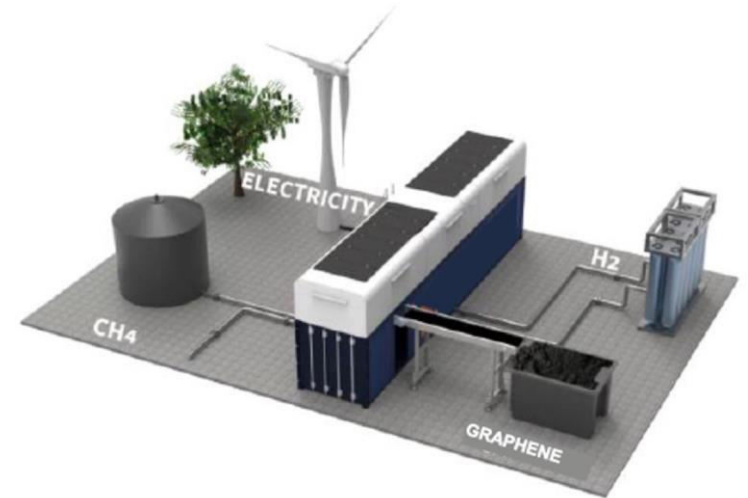


Profitable green business model

Two valuable products manufactured with no direct emissions

Turquoise Group's technology is modular, allowing multiple modules to be installed to meet customer requirements.

- Each module has a production capacity of 50tpa Hydrogen and 150tpa of Graphene
- Modules are sized to a standard 40ft shipping container. When powered with renewable electricity, there are low scope 2 emissions
- If biomethane is utilised as a feedstock, the process can become carbon negative



Graphene, the wonder material

Turquoise Demonstration plant has been commissioned refined to target continuous high quality graphene production. Methane pyrolysis: Consolidating the world-first and patented 3-phase plasma torch, the 'engine' of the system.

The technology solution is highly energy efficient, is a water-free process without direct CO or CO2 emissions.

Creates graphene powder (C) and hydrogen gas (H2).

Key value driver is the continuous production of bulk volumes of high-quality graphene powder.

COMPANY PROFILE

BOARD OF DIRECTORS



Scott Brown - Managing Director

Scott has over 30 years' experience as a director and an executive in ASX-listed companies, including Real Energy, Objective Corporation, Allegiance Mining and Mosaic Oil.



Adam Giles - Non-Executive Director

Adam Giles was the 10th Chief Minister of the Northern Territory and held office from 2013 thru 2016. Since leaving politics, Adam has held several senior corporate roles, including a long-term engagement with Hancock Prospecting.



Lan Nguyen - Non-Executive Director

Lan has over 25 years' experience in petroleum exploration, development and production in Australia and internationally, and was the Managing Director at ASX-listed Mosaic Oil.



Ron Prefontaine - Non-Executive Director

Ron has over 40 years' experience in the oil and gas industry and was the Executive and Managing Director at two successful ASX-listed companies, Arrow Energy and Bow Energy.

MANAGEMENT TEAM



Les Nelson - GM Commercial

Les has over 30 years' experience working in industrial and retail markets, including 20 years at Australia's largest Liquified Petroleum Gas distributor, Elgas Ltd, as General Manager.



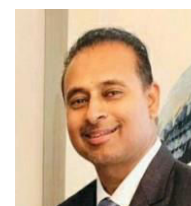
Clint Butler - Sales Manager

Clint has 15 years' experience and has worked with numerous multi-nationals in the Liquid Petroleum Gas industry and was the Executive Director for an energy monitoring company for 11 years.



Ben Kiddle - CEO HDrive International

Ben has significant experience across ZE heavy and light commercial fleet. He held senior management roles across adjacent sectors including a key role in the business of Custom Denning, across business development and aftersales support.



Dhresh Latchan – APAC Sales / Aftersales Manager HDrive International

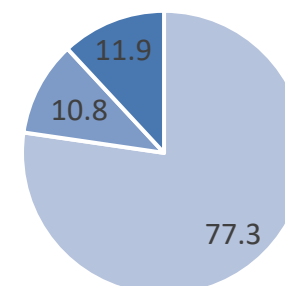
Dhresh brings over two decades of experience in transport, excelling in operations, sales, and aftersales as well as offering deep industry insights, strategic prowess, and a focus on zero emissions solutions

CORPORATE INFORMATION

Stock Symbol	PH2
Shares on Issue	373m ¹
Share Price	\$0.115 ¹
Options on Issue	8.650m ¹
Market Capitalisation	\$43m ¹
Cash Position 30 Sept 2024	\$4m

1. As at 8 November 2024

TOP SHAREHOLDERS



■ Retail & HNW ■ Directors ■ Funds & Others

PORTFOLIO UPDATE: GAS RESOURCES

TOTAL 2C GAS RESOURCES 453 BCF IN QUEENSLAND

Looking to gain value for the current 100% owned gas assets

In April 2024, Pure Hydrogen sold its strategic 30% interest in the Serowe CBM project in Botswana to the project's operator and 70% owner, Botala Energy Ltd (ASX: BTE). Transaction - 14.5 million shares plus a milestone payment of \$750,000¹.

Pure is expected to have around 20% equity interest in BTE when deal closes.

1. See ASX announcement dated 4 April 2024

Independently Certified Contingent Gas Resources, net to Pure Hydrogen:

100% PROJECT VENUS SURAT BASIN CSG, QUEENSLAND



123 Bcf 2C, and 560 PJ in Prospective Resources in the Walloon CSG¹

100% WINDORAH GAS PROJECT - COOPER BASIN GAS



330 Bcf 2C and 8.8 TCF Prospective Resources - basin centered gas²



Pure Hydrogen's aim is to be the lowest cost hydrogen producer and supplier of hydrogen devices and equipment.

Contact

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