

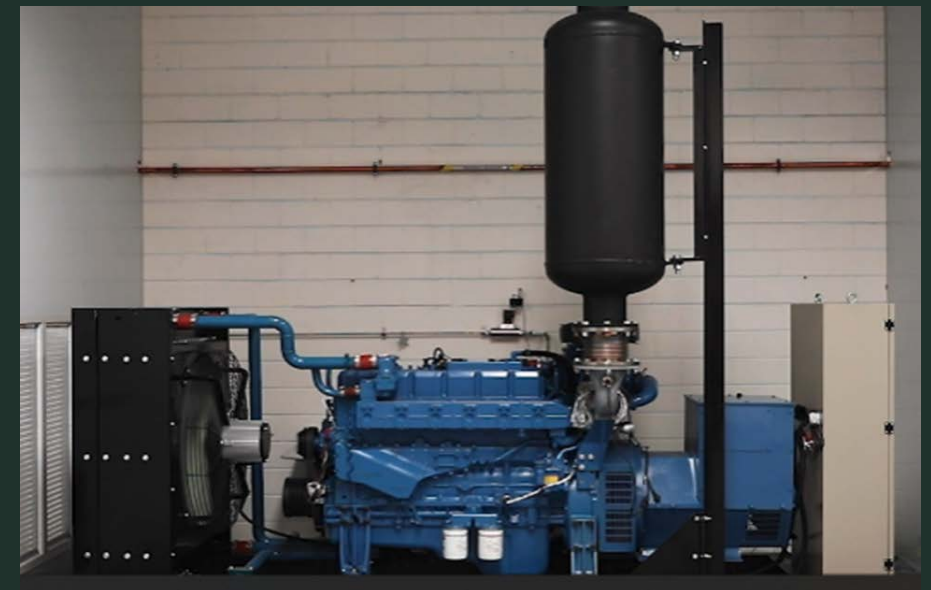


Zero Carbon Emissions

Power

Fuelled by Hydrogen

at LOW cost



Diesel needs to be replaced

Electricity from diesel generator emits
520Mt of CO₂ each year

Current carbon-free solutions are either

Unreliable / Intermittent or

Higher Cost

and sometimes both

Replace diesel with Hydrogen

A Hydrogen fuelled generator for off-grid businesses and communities

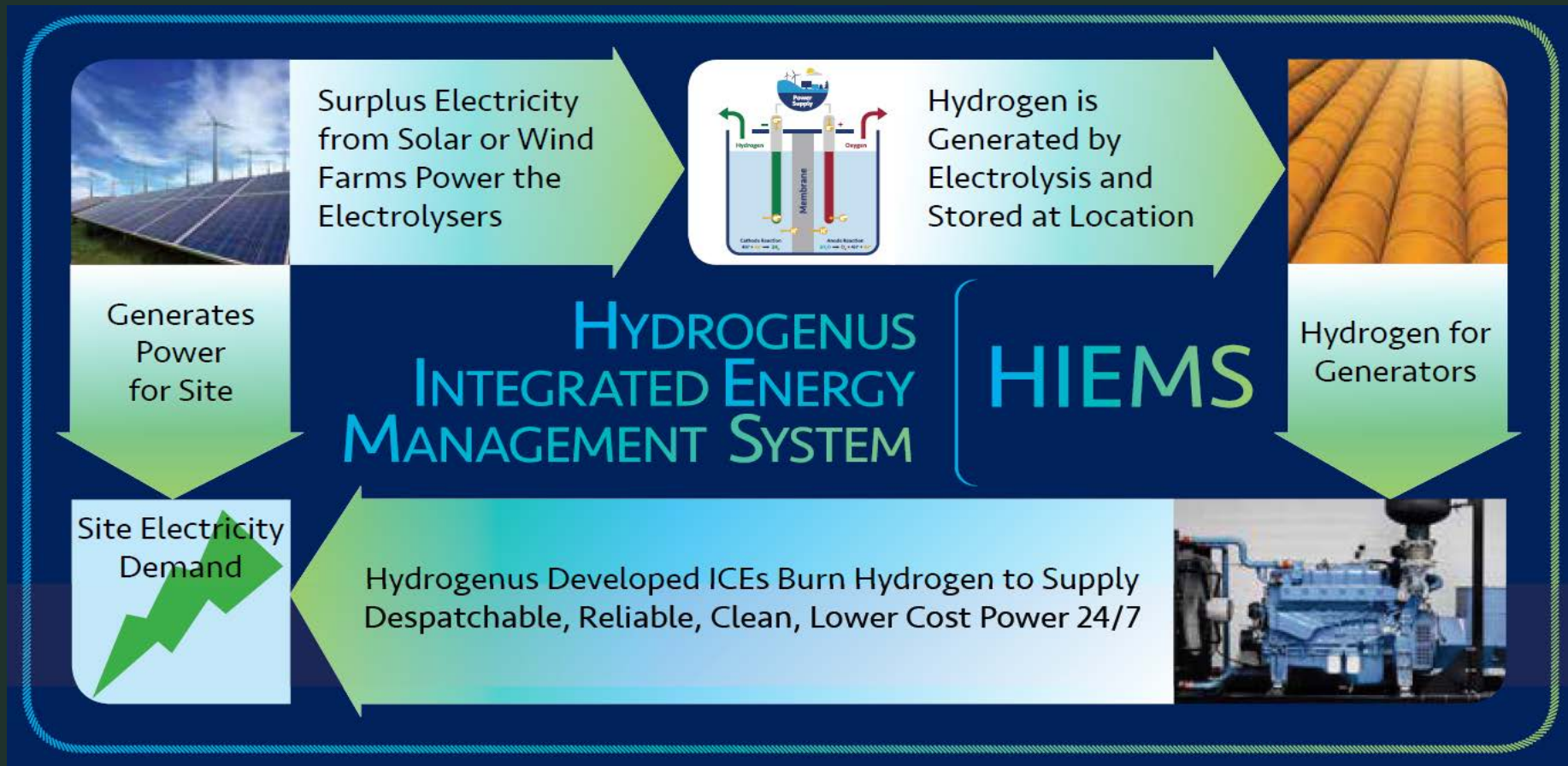
Carbon free electricity

on demand, 24/7,

at a lower cost for off-grid areas



Store excess energy as Hydrogen to power generators to supply off-grid electricity when there is no wind or sun



Competitor Technologies

	Hydrogenus Energy	Diesel fuelled generator	Diesel - Solar hybrid	Hydrogen Fuel Cell	Battery storage
Fuelled by Hydrogen	✓	✗	✗	✓	✗
Overall Cost	✓✓	✗	✓	✓	✗✗
Zero Carbon emissions	✓	✗	✗	✓	✓
Efficiency	✓	✓	✓	✓✓	✓✓
Low Storage cost	✓	✓	✓	✓	✗
Response to load changes	✓	✗	✗	✗✗	✓
Robust, easy to maintain	✓	✓	✓	✗✗	✗
Long life	✓✓	✓	✓	✗	✗

Path to Revenue

Achieved Commercial product (engine)

Approached to licence engine IP to a major manufacturer

Attracted by our low-pressure injection (lower cost; less complex)

Patent applications and other IP protection being prepared

Commercial Projects : Letters of Intent agreed

Engineering firm – 3 projects for green energy supply

Pacific Islands – 3 projects

Go To Market

Execute projects currently under Lol

Engineering company has many more interested clients

Market operating projects to :

Independent Power Producers

Energy Supply Authorities and Governments

Mining companies and their power consultants,
focussing on projects to be developed

Revenue sources

Establish each project as an SPV

Each having equity and debt investors and engineering services provider, with HYE as manager

Hydrogenus Energy, 100%

Lease IP to SPV

Sell modified engines to SPVs

Shared, Hydrogenus Energy, Client and Project Investors

Carbon credits and green hydrogen certificates

Gap between our costs and next lowest cost

Potential Market

Total Addressable Market : 720m MWh (2022), at \$220/MWh = \$160 billion

Sustainable Addressable Market : 300m MWh, at \$220/MWh = \$66 billion

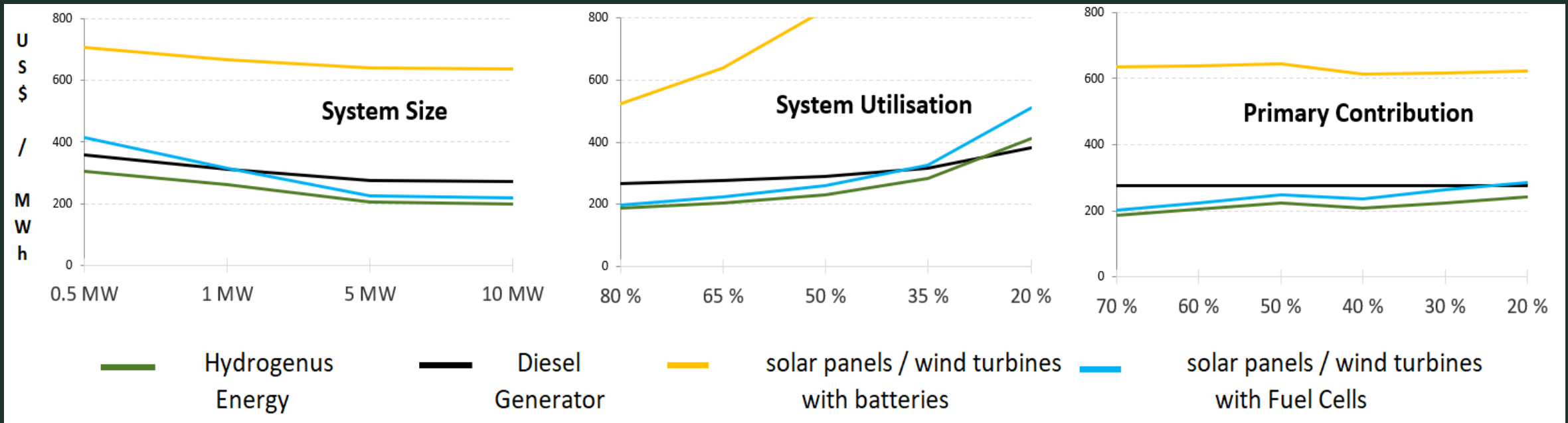
Serviceable Obtainable Market : assume 10%, or \$6.6 billion a year

HYE provides engines to SPV, net margin	annual	US\$ 23m
HYE leases IP to SPV	on-going	US\$ 750m
HYE's share of :		
difference price v cost	on-going	US\$ 75m
Green certificates	early years only	US\$ 200m

Returns to SPV investors are separate and depend on share

Lower Cost

Electricity on demand costs for off-grid areas



Costs are the fees required to recover operating costs, sustaining capital costs and deliver a fair return on the project capital invested.

HYE costs include fees for IP / management

Lower Cost

USD / MWh	Diesel	Diesel-Solar	HYE	Batteries	HFC
	Upfront Capital	44	112	139	551
Sustaining Capital	3	7	13	77	41
Operating Cost	226	99	47	13	18
	273	218	199	640	220
CO2 emitted (kg/MWh)	720kg	286kg	0kg	0kg	0kg

Note : Diesel-solar not included in chart in previous slide

5MW capacity, 65% utilisation, 35% solar, 32% wind for total 60% primary contribution

2.6 days storage

Valuation

Pursuant to Information Memorandum, September 2023

Seeking AUD 3.0m, by issue of 1.5m new shares at \$2.00 each

\$370k raised and firm promises for \$250k more

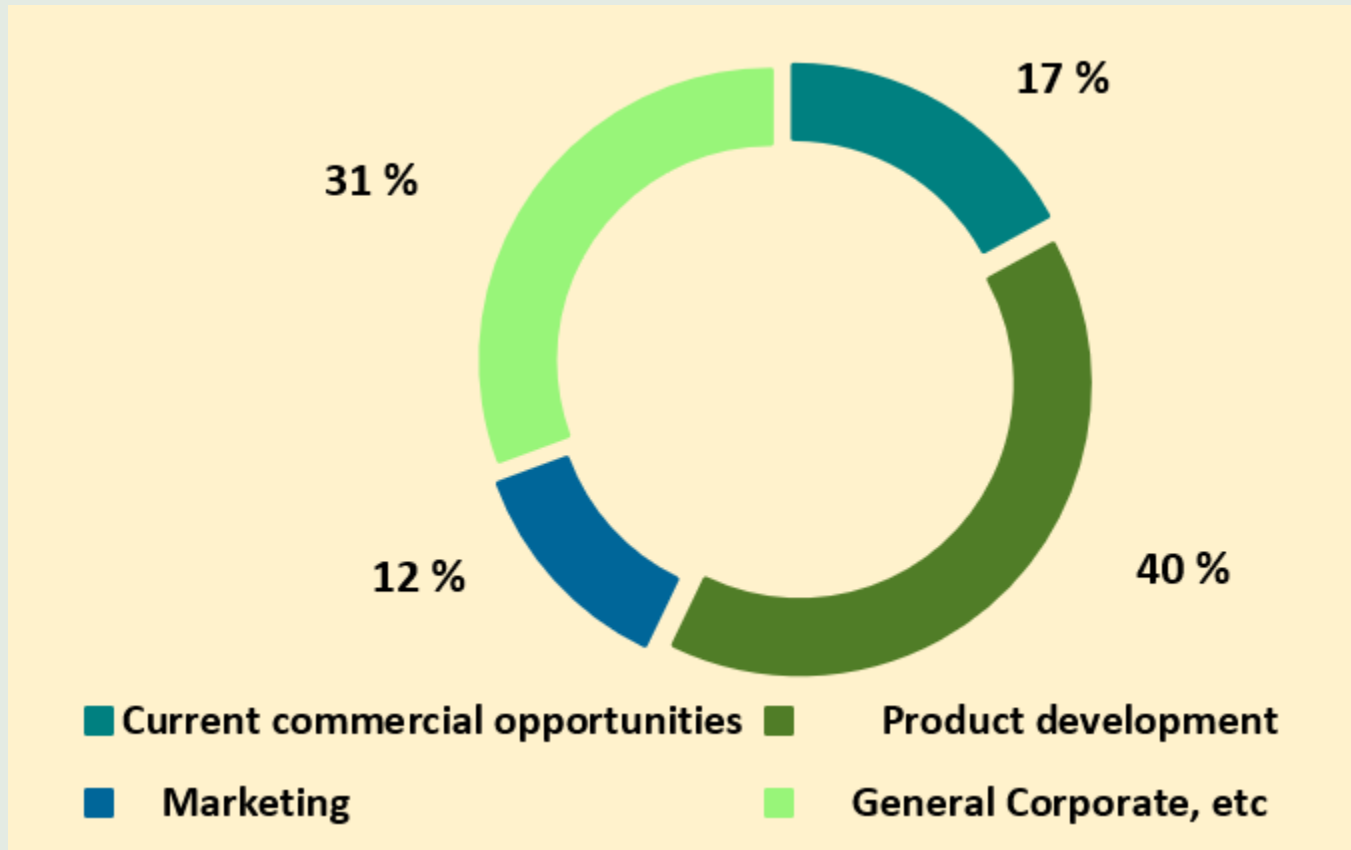
Potential investor, up to \$2m, currently doing due diligence;
expect firm in February, cash in April

3.0m shares on issue (before \$370k above) plus
900k options, 750k exercisable at \$1.25 and 150k at \$2.50

Pre-money valuation \$A 6.5m

Use of Funds

Seeking to raise AUD 3m / USD 2m



Develop current opportunities (Lols)

Product development (bigger and better engines for bigger projects)

Marketing (new opportunities)

General corporate costs, etc.

Hydrogenus People

MARK SMITH, Non-Executive Chairperson



Mark has over 40 years' experience in management and geoscience in energy with BHP, and Karoon Energy, of which he was a founder.

He was Executive Director & Exploration Manager with Karoon, growing its value from \$5m to \$1,500m

MARCUS CLAYTON, Chief Technology Officer and Executive Director



Marcus is formally trained in electronics. He joined John Bennett to form Bennett Clayton in 1990, developing Internal Combustion.

Engines to operate using alternative fuels, including alcohol fuels, LPG for diesel buses and natural gas for back-up generators

MARTIN SHEAHAN, Chief Executive Officer and Executive Director



Martin is an experienced Sales Director in the IT and Telecommunications industry. In 2016 Martin was invited by Marcus Clayton to

assist with sales in the Bennett Clayton business. He was appointed CEO of Hydrogenus Energy in February 2023.

PIETER BRUINSTROOP, Company Secretary, CFO and Executive Director



Pieter has degrees in economics and finance and a long history as an analyst in energy and mining; working on the

economics of wind and solar power in the 1980s and as a fund manager and corporate adviser since 1996.

FRANK MUSCO, Mechanical Engineer



Frank is a mechanical engineer with over 20 years' experience worked in a range of areas in the automotive industry. His passion is historic cars. He joined Hydrogenus Energy in

August 2022 to assist Marcus in engine development and will be responsible for the modifications to the engines to be used in Hydrogenus Energy's projects.

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\$ in this presentation are US\$, translated from AUD at the exchange rate at the time.



Hydrogenus Energy

**Zero carbon electricity
on demand
at a lower cost**

