

### “Zero Carbon Electricity, On Demand at a lower cost”

#### Market Opportunity

- Renewable energy lacks inertia, placing grid stability into question, running the risk of a blackout
- Legacy transmission infrastructure is creating curtailment (waste)
- Long-term, 3 plus hours, energy storage is expensive
- Large parts of the economy are dependent on diesel generators – remote location

#### Our Solution Delivers

- Dispatchable zero-carbon energy
- Inertia into the grid providing the grid stability to support the renewable energy transition
- An internal combustion engine that is well understood in the market, easy to scale and can be located in most locations
- Uses curtailed energy to produce hydrogen for immediate fuel use. Ammonia is used for long-term storage
- Final product will be a 1 Mw transportable power station, contained in a 40-foot shipping container

#### Target Industry Verticals

- Grid Forming/Grid Syncing
- Remote location distributed energy
- Microgrid applications for the built environment

### Company Update “Production model now on site”

Hydrogenus Energy (“HYE”) is delighted to announce that our first 100kW production model engine and genset is now on site with our technical partner, DW Controls, in Ballarat.

Our genset is currently being fitted with the necessary communications for demonstration purposes, with the intention of operating in a test environment before moving to a live grid connection.

#### Demonstrations

All necessary work is underway in preparation for private and public demonstrations, scheduled for the end of March and early April. Demonstrations will be open for targeted sales presentations, shareholders, industry, government, and the media.

The demonstration will showcase HYE’s Internal Combustion Engine (“ICE”) ability to perform grid-forming and firming functions, a critical element of the future success of the renewable energy transition within our economy.

In addition, HYE has undertaken steps to commence Type B Certification, allowing HYE to meet Australian Standards and providing a path to initiate commercial discussions.

#### Sales Activation

We anticipate the opportunity to expand commercial discussions with multiple domestic and international parties following the demonstration. HYE confirms that a further 400kW (bringing the total to 500kW) of capacity will be installed at DW Control’s facilities in Ballarat post the completion of the demonstration cycle.

Market feedback, particularly as a result of the elevated tensions in the Middle East, remains overwhelmingly positive, and we expect business development activity to accelerate post the Ballarat demonstration.

### We are an enabler for the Renewable Energy Transition

Our combination of the mechanical inertia inherent in an ICE with the IP developed by D W Controls means that our technologies produce a grid-forming generator, and, when combined with our fuel and storage solution of hydrogen and ammonia, HYE is ideally positioned to be an important enabler in an economy’s transition to renewables.

Commercialisation requires a good product and good timing.

It would appear, at first glance, that we are well-positioned on both accounts.



Engine setup at DW Controls in Ballarat, March 2026

## Executive Team

Mark Smith – Non- Ex Chair  
Pieter Bruinstroop – Ex Director  
Marcus Clayton – Ex Director  
Shay O’Brien – CEO  
Earle Harper - CCO

## Provisional Patents

Australian Provisional Global  
Patent Application No.  
2024900658

## Registered Office

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## Product/Technology Pipeline

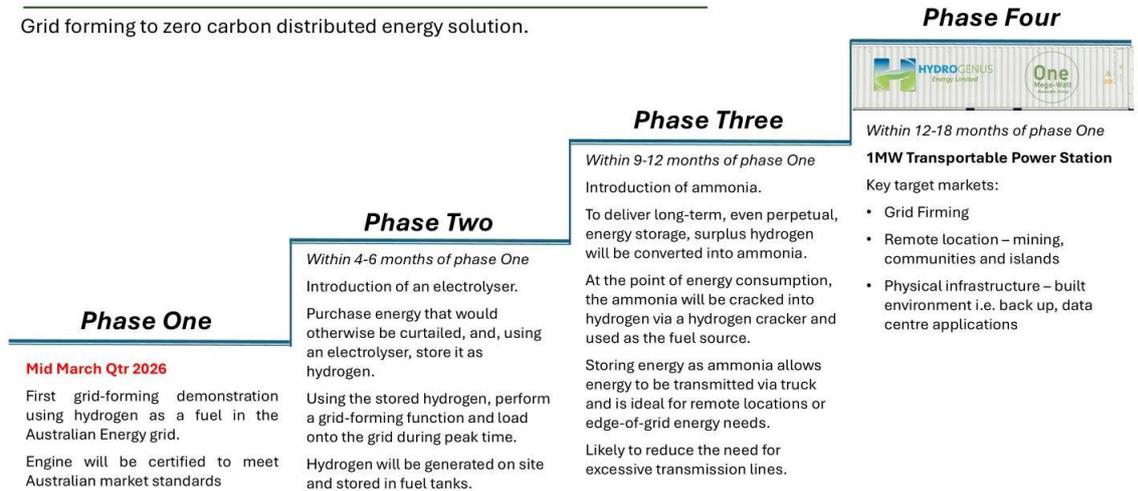
We continue to explore the aggregation of Intellectual Property (“IP”), with HYE-ICE serving as the “glue” for a compelling renewable energy solution.

Concept applications have now commenced for the development of the Transportable Power Station (“TPS”) with 500kW and 1MW of zero-carbon energy capacity, significantly expanding the addressable target market. Whilst no definitive timeline has been set for the TPS, a 12-18 month time horizon would be a sensible expectation.

The schematic below details our projected product road map and the realisation of the TPS.

## Product demonstration and certification

Grid forming to zero carbon distributed energy solution.



We invite you to review our updated Company Profile and Introductory Presentation on our website, contained within the Important Documents Section: [www.hydrogenus-energy.com/about-us](http://www.hydrogenus-energy.com/about-us)

## Expanding our Footprint

To capitalise on and expand interest in HYE, Earle Harper joined the company in October 2025 as Chief Commercial Officer (“CCO”). Earle has extensive commercialisation and corporate experience in the ASX-listed and non-listed environment.

We invite you to review Earle’s LinkedIn Profile: [www.linkedin.com/in/earleharper/](http://www.linkedin.com/in/earleharper/)

Since the start of 2026, we have been successful in raising our profile within industry groups and state and federal government agencies. Plus, we have refined our messaging and communication channels, resulting in a broader range of enquiries from countries outside Australia, including Europe, the United Kingdom, Africa, Southeast Asia, and the Americas.

## About Hydrogenus Energy

Hydrogenus Energy (“HYE”) has developed, and patented, the Intellectual Property for the modifications required to be made to an Internal Combustion Engine (“ICE”) to be able to operate safely, effectively and efficiently using hydrogen, injected at low pressure, as its only fuel.

The HYE modified ICE (“HYE-ICE”) powered generator provides electricity on demand with a very high degree of control, regardless of load changes, and does not require high-purity hydrogen.

HYE is working with complementary IP developers to provide a generator that can be synchronised with the grid, offering grid firming services at a lower cost than a battery when energy is required to be stored for more than 3 hours, and can also provide grid firming services.



Hydrogenus Energy Limited  
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