




LAVOTM
FOR LIFE

The logo is centered in the upper half of the image. It features the word 'LAVO' in a large, white, sans-serif font, with a trademark symbol (TM) to its upper right. Below 'LAVO' is the phrase 'FOR LIFE' in a smaller, white, sans-serif font. The background is a sunset over sand dunes, with a bright sun on the right side of the frame.

World Hydrogen Summit 2021

The text is centered in the lower half of the image. Above the text, there is a small silhouette of two people standing on a sand dune. The background is a sunset over sand dunes, with a bright sun on the right side of the frame.

Sanne Weekers
Business Development

OUR MISSION

To empower a world with limitless energy.

OUR STORY

LAVO is a green energy portfolio brand powered by Hydrogen.

Established in 2020, it honours Antoine Lavoisier, the French scientist, who identified and named hydrogen.

LAVO was incubated by Providence Asset Group and applies the innovative technology of metal hydride, developed by the University of New South Wales, for storage of renewable energy to power businesses, residential properties and lifestyle appliances.



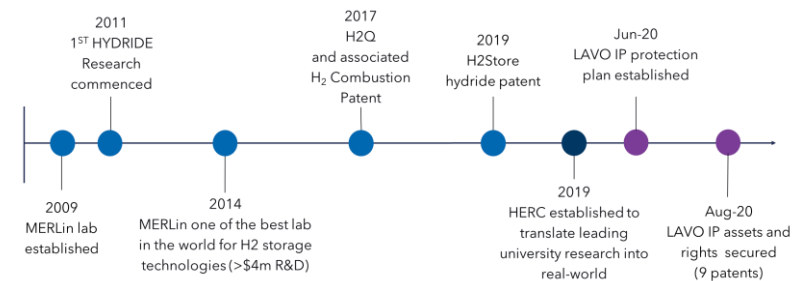
The world's first integrated hybrid hydrogen battery that combines with rooftop solar to deliver sustainable, reliable and renewable green energy to your home and business.

40kWh capacity
20,000 cycles
24/7 control

Hydrides deliver a high energy density and safe method for long duration storage.

- **Increased life span and value**
20,000 cycles of output with minimal degradation
- **Improved sustainability**
The metal alloys composing the hydride can be recycled and re-used post expiry
- **Ambient temperature operation**
Operates under room temperature
- **High energy density**
>2 times density compared to liquefied/compressed hydrogen
- **Lower operating pressure**
Stored at 30 bar, equivalent to a household/BBQ gas bottle
- **Scalable solutions**
Able to be used in multiple applications from small to large scale
- **Safety focussed**
Metal self-regulates the rate of hydrogen release, reduces regulatory requirements

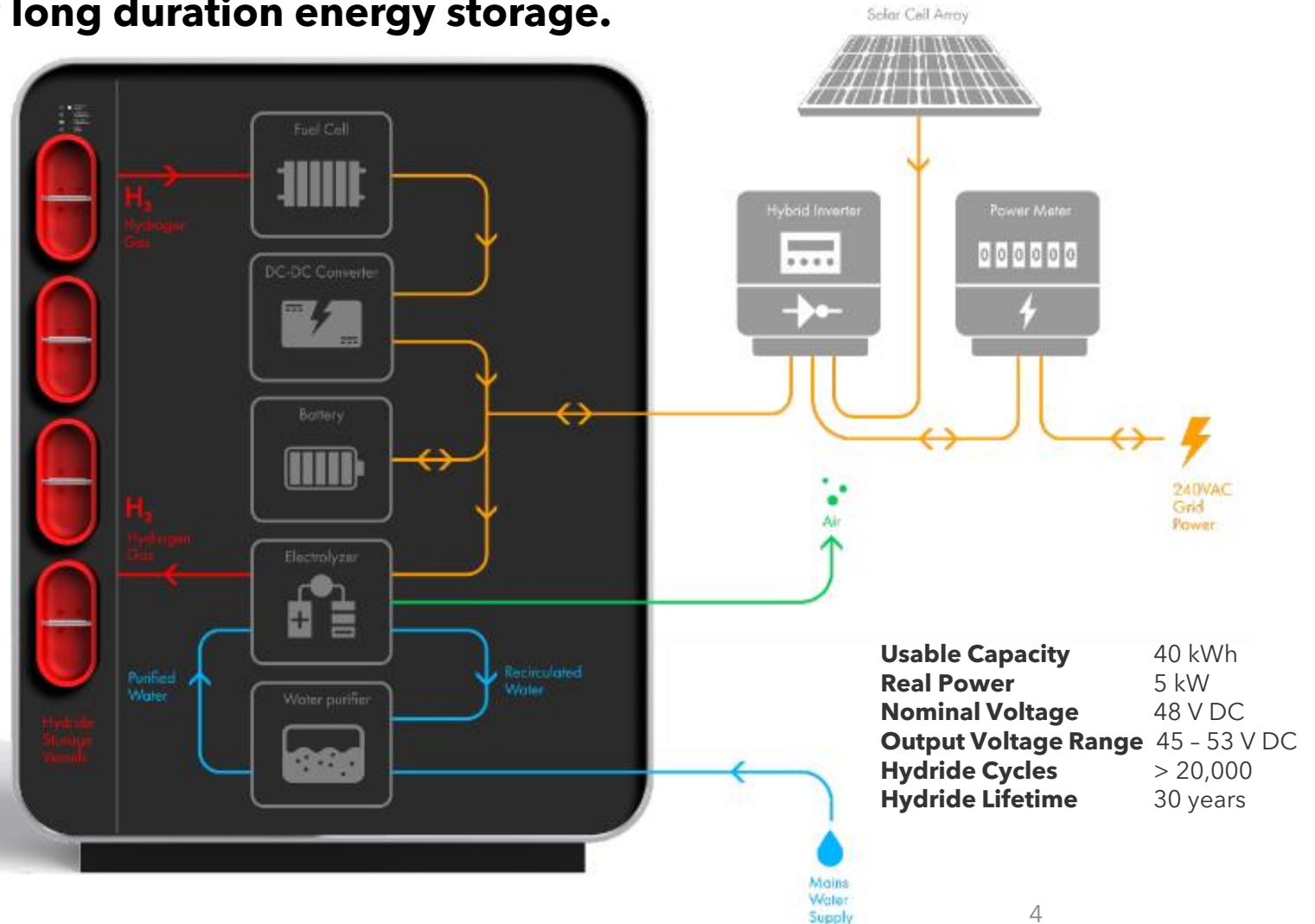
| | LAVO HYDROGEN HYDRIDES | LIQUIFIED HYDROGEN | PRESSURISED HYDROGEN |
|---|--|------------------------------------|------------------------------------|
| ENERGY DENSITY | 12.6MJ/L | 8.0MJ/L | 5.6MJ/L |
| SAFETY & STORAGE | 30 bar Self regulated release Room temperate | -253 degrees Celsius | 700 bar |
| STORAGE EFFICIENCY (Lower Heat Loss Value) | 95% | 60% | 84.5% |
| SUSTAINABILITY | 20,000 cycles Metal alloys are non-toxic 100% recyclable | High production and equipment cost | High production and equipment cost |



LAVO HESS combines existing technology with patented metal hydride to deliver long duration energy storage.

LAVO integrates with standard rooftop solar systems and water to:

- Create hydrogen from water using an electrolyzer
- Store Hydrogen into a patented LAVO metal hydride
- Convert hydrogen to electricity via a fuel cell and discharge to the family home
- Control safety, operations and communications via digital control system



With LAVO, the possibilities are endless



LAVO

World's first lifestyle and technology brand powered by hydrogen
LAVO™ System, LAVO™ H2Q,
LAVO™ E-Bike and any future lifestyle products, app (targeted **individuals, businesses and C+I applications**)



FRANC

Intelligent **Centralised Asset Management System** as optimizer for the performance of generation and storage assets

HEOS

Large **Utility Scale** - Containerized Metal Hydride Hydrogen Storage Solution as the enabler for decarbonation, targeting large utility and industrial users and producers



Large Scale Modular H₂ Energy Storage

LAVO | HEOS™

LAVO | HEOS™ is a containerized version of our metal hydride storage technology which enables low-cost and high-density projects for Power2Power and Power2X applications.

Suitable for integration into large scale solar, wind and industrial applications, the LAVO | HEOS 20' containers provide a scalable and transportable hydrogen storage solution.

The LAVO | HEOS™ system integrates with electrolyzers and fuel cells without the need of compressors.

LAVO | HEOS 20' ISO CONTAINER

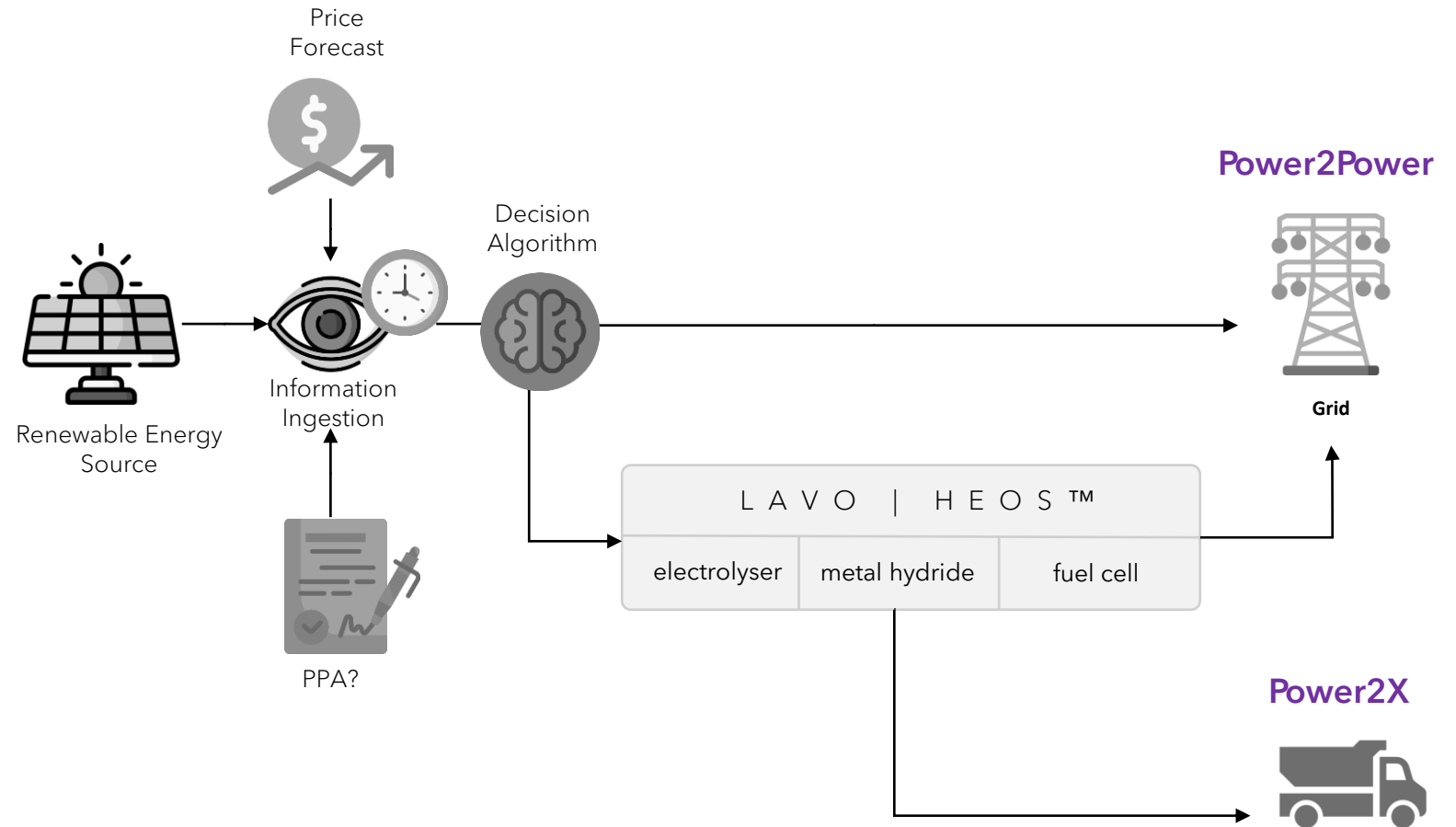
- Modular (1 – 30 vessels)
- Max. total hydrogen storage 360kg or 12MWh per container
- Operates at 30bar in room temperature range



LAVO is working with strategic partners in Net Zero critical industries in Australia and overseas such as:

- The mining Industry
- Agribusiness
- Telecom market
- Renewable generation markets

Through techno-economic modelling LAVO can provide advice on optimizing renewable energy spill and electrolyser efficiency, providing the best suited solution to deliver the lowest cost of green hydrogen.



The background of the slide is a photograph of a desert landscape at sunset. The sky transitions from a deep blue on the left to a bright orange and yellow on the right, where the sun is partially visible. The foreground consists of dark, rolling sand dunes. In the center of the image, the text 'LAVO' is written in large, white, sans-serif capital letters. Below it, the words 'FOR LIFE' are written in smaller, white, sans-serif capital letters. To the right of the 'O' in 'LAVO', there is a small 'TM' trademark symbol. Below the text, there is a small silhouette of two people standing on a dune.

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Thank you

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Business Development