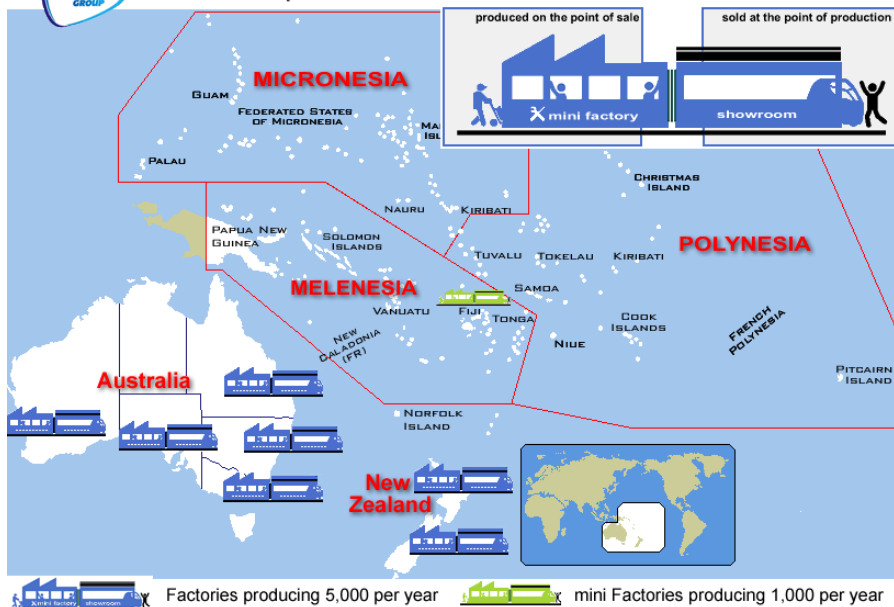




Air Future Group LICENCE AREA WITH MDI FOR COMPRESSED AIR PRODUCTS



A vision for Australasia to manufacture and market their own scalable compressed air energy storage and clean vehicles, with technology solving many of today's renewable energy and electric vehicle price and technology constraints.



Air Future Group Introduction Flier 2019

And the energy future paradigm simply states that for technologies to be effective they must be available and affordable to the masses, and not just luxury products for the small minority who can afford them, or with subsidies.



MDI compressed air vehicles & energy storage do exactly that.



Air Future Group

Compressed air clean vehicles & energy storage for Australasian manufacture and marketing.

- INTRODUCTION FLIER -

For renewable energy, clean vehicles and energy storage products to be effective they must be readily available and affordable to the masses and not just luxury items.

MDI compressed air vehicles using composite materials, and electricity storage, are exactly that and along with distributed manufacture introduce a new generation of technology and products over two decades in the making and now ready to serve.

Our Business

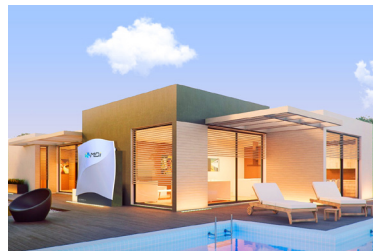
- MDI COMPRESSED AIR VEHICLES & ENERGY STORAGE



AirPod entry vehicle

Our technology partner MDI in France is a world leader in the application of compressed air energy storage. Using revolutionary design this forms the basis for both their clean light vehicles and distributed electricity storage. Affordable and efficient the products span consumer, commercial and industrial. Lightweight composite materials combined with unique construction produce products with many solutions to today's hurdles.

The technology involves a revolutionary clean compressed air engine that runs cold and with high efficiency and low maintenance. The engine and energy system include air compression, storage into carbon fibre tanks, and efficient air expansion to produce power or generate electricity. Vehicles have a unique lightweight construction and manufacture is regional via small local factories. Global giants Tata Motors and Veolia are early customers.



AirWall storage unit on house

- AFG'S EXCLUSIVE COMMERCIALISATION LICENCE RIGHTS

MDI do not themselves commercialise, but do so via licence. AFG (Air Future Group) has one of the longest supportive relationships with MDI. AFG has acquired the exclusive licence rights for the broader Australasian/Pacific region. These rights enable production via local regional turnkey factories and sale of the vehicles and electricity generation storage.

The Products

- AIRPOD 2.0 STANDARD

Providing a new experience in urban mobility, one can be the nimblest driver in the city. Comfortably conditioned for two the AirPod 2.0 offers an ideal solution for one's daily quick trips, plus is an optimal size to sneak into the city and into a car park. The individual can use it every day, companies will be able to equip their fleets, and for car sharing it will be ideal in the CBD or suburbs. With exhaust consisting of water and air, and the body of composite light materials, this four-wheel two-seater vehicle is capable of 80 kms/hr, has a range on full tanks of 120 km, or up to 360 km in the dual mode.



It can turn on the spot, is just 2.13 metres long, and still has 500 litres for cargo. (*) Dual mode is a unique optional feature where a low temperature external burner can triple the volume of air and hence the range very efficiently.

- AIRPOD 2.0 COMMERCIAL



The AirPod 2.0 can be configured in the factory for commercial & industrial applications. There are three variants: classic, pickup and cargo. The various shapes suit commercial and industrial, with recreational variations in the pipeline. Cargo space is from 1 to 2 cubic metres.

- AIRONE/AIRCITY

The upcoming vehicle is the larger AirOne and is a more spacious and family-oriented highway capable vehicle with a range of 170 – 200 km or 600 km on dual energy. This will be a general family and transport car and well suited to the car-sharing and autonomous models of the future. With a maximum speed of 100km/hour and in 3 or 5-seater versions, it can be customised as an off-road vehicle or as an urban family style SUV. The AirCity will have a larger engine capable of 130 km/hr.



- AIRBOM

This current first industrial vehicle is a smaller waste collection vehicle built initially for Veolia. Veolia is a major player within the field of waste management in France. Their objectives are for urban cleanliness. The AirBom demonstrates a new generation of industrial service transportation.



- AIRWALL

The AirWall is the fixed energy storage and clean electricity generation system. Coupled with a photovoltaic installation each system it is able to store and supply power based on multiples of the engines (7kW currently and 60kW upcoming). Energy generation capacity is based on adding storage tanks, so the system is flexible and economically scalable. The cost and scale advantages make distributed energy especially attractive.



Energy storage can vary from households to communities to independent micro grids, including the future for community “virtual power plants”. The consumer can benefit from cheaper pricing, independence from the grid, or selling energy back to it, time shifting from on peak to off peak, and demand management. Most industries have storage and energy management needs.



Lithium battery energy storage

VS



Compressed air energy storage

Affordable and Scalable. Compressed air energy storage is less costly financially and environmentally.

- AIRPOWER

This is the stand-alone mobile storage and electricity generation unit providing autonomous electricity supply applications such as uninterrupted power supply, or a substitute for diesel generators. The system caters to stand-alone applications integrating storage and with renewable energy.



- REFILL STATION

The small orange refill station units can function similarly to visiting a traditional service station, taking a few minutes and of course cheaper.

What is cheaper, the "station" or the "refill" or both?



- FUTURE

Utilising the flexibility and modular construction of the products MDI has commenced designs of a range of pipeline products from buses to boats, forklifts, Tuk Tuks, retrofit, bicycles, and even streetlights.



*MDI AirBus lightweight prototype
paper design model*

Australasian Commercialisation

- LOCAL & REGIONAL MANUFACTURE

MDI has adopted lightweight composite materials in its product manufacture making vehicles lightweight and strong, with many functions integrated into the bodywork adding efficiencies. Both vehicle and energy storage manufacture are ideally suited to distributed manufacturing.



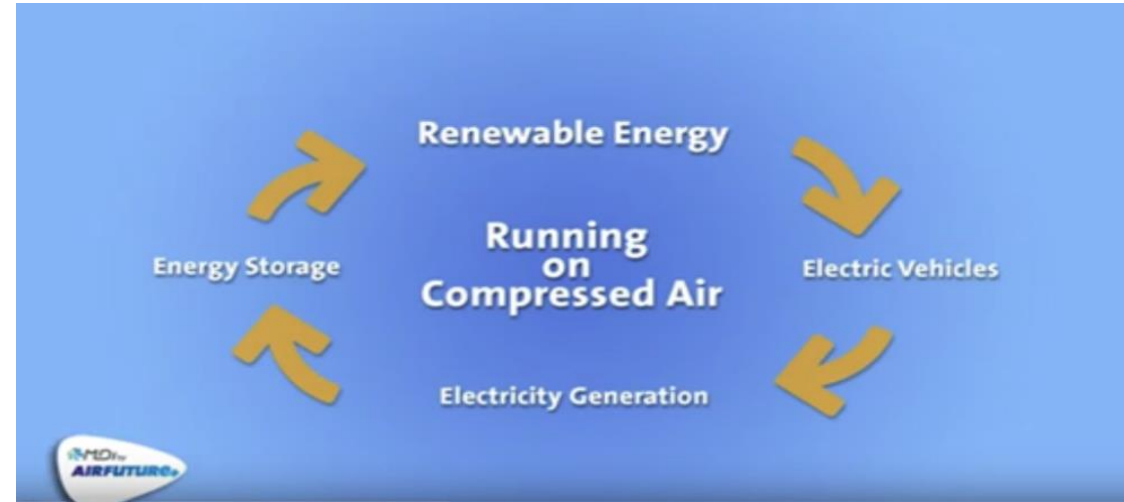
This becomes a unique local opportunity via clean decentralised manufacture in small factories, hence providing regional political, economic and employment benefits. Governments' political control of their welfare and maximising economic, clean climate, and security benefits are all key



Reason for celebration at MDI

- CONTACT

For further information or an Information Memorandum visit www.airfuture.co.nz or www.air-volution.com.au for executive contacts.



Who can join The Air Community?

-----See overleaf-----

www.theaircommunity.com

Coming Soon In 2019

Join the tens of thousands already registered across MDI & AFG
ready for action

Our social media will soon be reaching out to all communities





To clean the planet in the short to medium term we see a plethora of competitive brands, but critically we see far less actual competing technologies. In general today's electric vehicles are simply too expensive, too heavy, too complex to manufacture, won't travel far enough on a battery, are too cumbersome to recharge, lose their efficiencies in hybrid design, and still generate a big manufacturing carbon footprint even if they run clean. And the shift to renewable energy is burdened by intermittency with storage just too expensive.



With MDI technology and products and AFG commercialisation let's make it happen for Australasia. For everyone to enjoy and benefit, not just those who can afford it. Make Australasia a showcase. MDI technology can help achieve it.

Not just the well off who can afford



Affordable MDI vehicles

But everyone.



📷 Close to two-thirds of Africa's population—largely rural and poor—don't have electricity.

Affordable MDI energy storage

Commercialised by Air Future Group (AFG)

