

# ANT

RENEWABLE ENERGY  
WHEN AND WHERE  
YOU NEED IT.



[www.antsolutions.com.au](http://www.antsolutions.com.au)

# ABOUT ANT ENERGY SOLUTIONS

ANT Energy Solutions is an Australian company which specialises in the design, development and integration of renewable energy systems utilising hydrogen for storage and dispatchable on demand power to overcome intermittency.

**VISION:** Driving a sustainable future through innovative hydrogen-based solutions.

**MISSION:** Providing reliable, safe and accessible hydrogen-based solutions, through strong partnerships, leading technologies and innovative components, systems and software.

## WHY GREEN HYDROGEN?

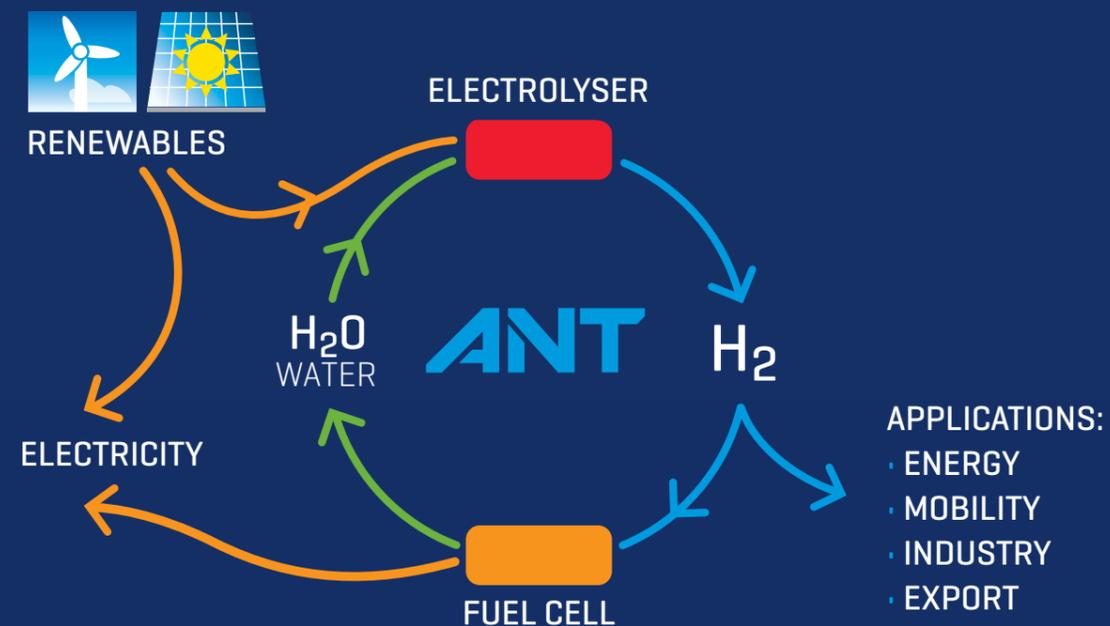
Contrary to popular belief, hydrogen is already safely utilised in a wide range of industrial applications. At present, hydrogen in industrial applications is mainly derived from fossil fuel sources. The differentiating factor of ANT is the production and utilisation of green hydrogen from water through the use of renewable energy making the entire end to end process sustainable.

ANT is driving the expansion of green hydrogen through the development of modular based solutions. By capturing innovation, ANT is a leader in the field of green hydrogen applications, driving the economics of making hydrogen-based solutions easily accessible to domestic and light industrial applications.

### ANT SYSTEMS ARE:

- Capable of fully off-grid 24/7 operation
- Clean alternative to diesel
- Reliable and low maintenance
- Cost-competitive with alternative storage solutions
- Capable of grid stabilisation
- Ideal for emergency services, back-up power generation, remote locations and temporary events
- De-carbonising Industry
- Carbon-friendly – zero carbon emissions
- Environmentally benign – water and oxygen are the only operational waste
- Utilising green hydrogen- the alternate dispatchable energy
- Non polluting, with zero toxic end-of-life waste
- Harmonious with the environment

# WHAT WE DO



## WE MAKE IT WORK FOR YOU

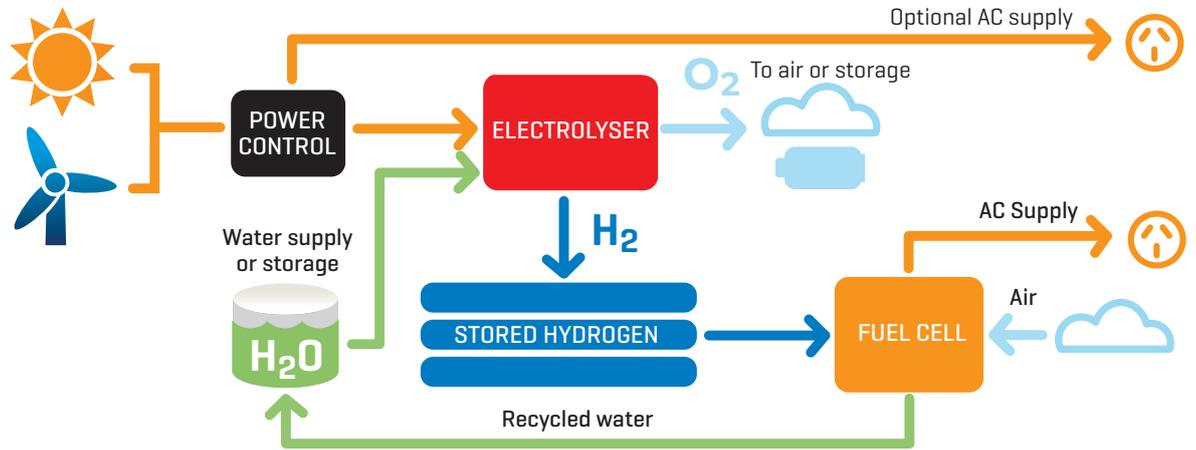
ANT has developed an integrated renewable energy system architecture that provides custom renewable applications with green hydrogen at the heart of the system.

Through the configuration of custom and leading edge commercial products, renewable energy is used to power the production of hydrogen from water. Utilising the hydrogen to create electricity produces water as a by-product which can then be recycled back to produce more hydrogen, thereby completing a closed cycle of renewable energy production.

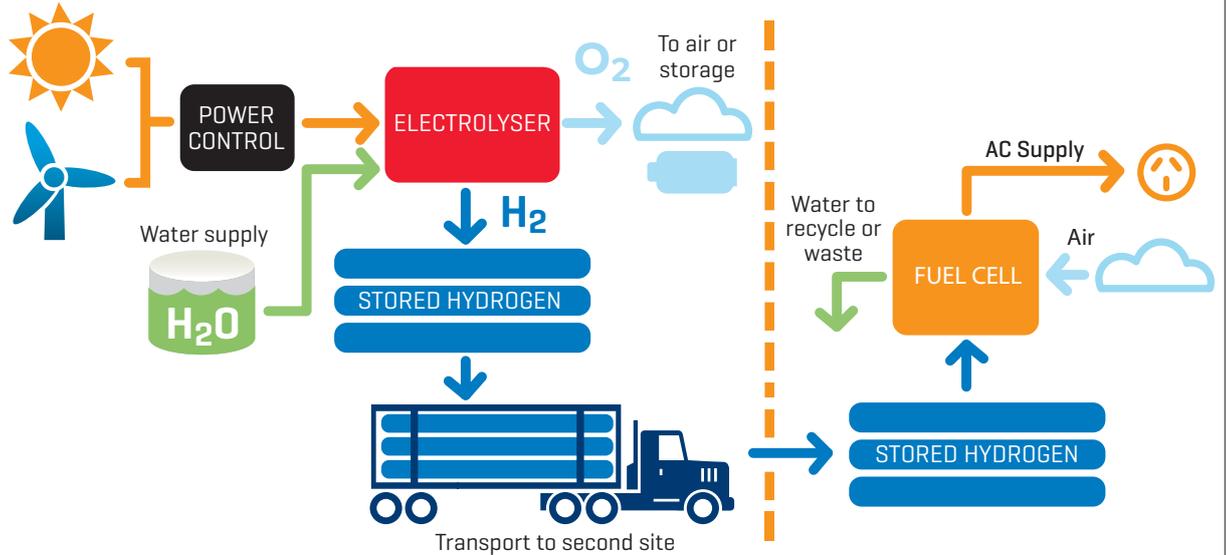
Hydrogen can also be stored for the following uses:

- Industry application
- Fuel source for Mobility
- Export to the expanding hydrogen economy
- Greening natural gas

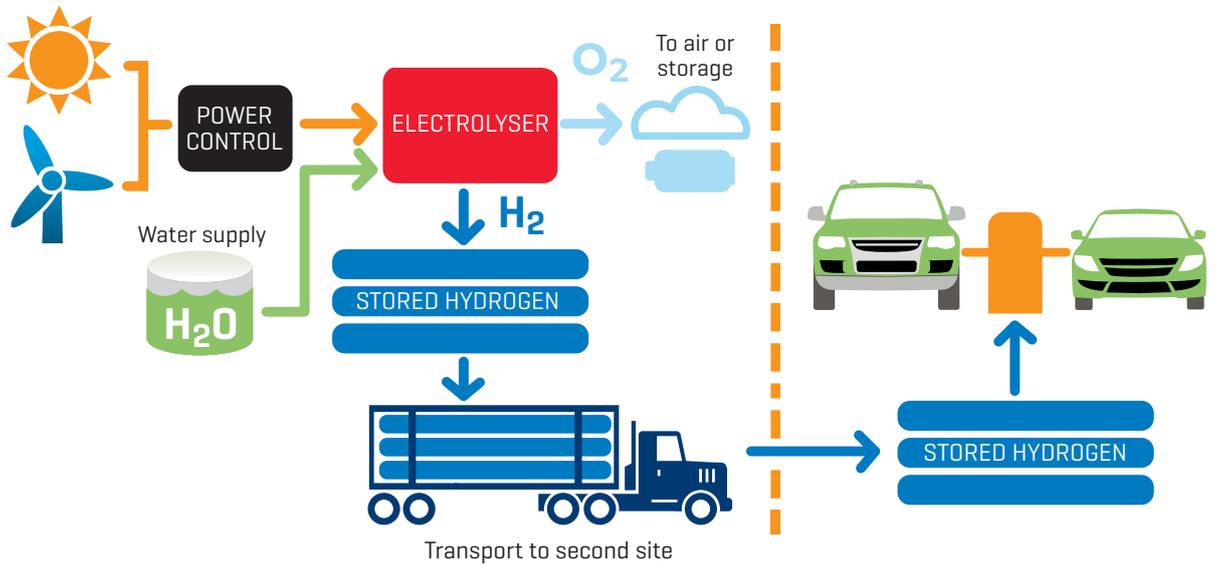
## INTEGRATED SYSTEM



## SPLIT SYSTEM



## MOBILE SYSTEM



### Our world leading partnerships

**HYDROGENICS**  
SHIFT POWER | ENERGIZE YOUR WORLD  
Electrolysers and fuel cells

**RidgeBlade**  
Aeolian wind turbines

**ThoughtWorks**  
Sophisticated software systems  
integration and modelling

**ANT**  
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