

# CLEAN & GREEN

## LOW EMISSION ENERGY GENERATOR

Portable, scalable, easy to operate,  
produces 100% green hydrogen



**MODULAR, QUIET,  
EMISSION FREE  
TECHNOLOGY**

## PRODUCT

This compact and portable generator can produce electricity and heat from aluminium pellets as fuel and water via hydrogen production and conversion into electricity.



### Aluminium

Reactor involves the controlled decomposition of robust and stable aluminium granules, producing hydrogen gas, aluminium hydroxide and heat.



### Water

The water is the only locally harvestable material the generator can be deployed anywhere with proximity to water lowering overall weight for transportation, on the other hand water can be deployed with the unit.

## DIFFERENCE

Compared to the traditional battery usage and internal combustion generators, this approach offers

- ✓ **Higher energy density**
- ✓ **Longer operational durations**
- ✓ **Significantly reduced acoustic footprint**
- ✓ **Safe indoor operations**
- ✓ **Decreased reliance on fossil fuels**
- ✓ **Longer and higher level of security storage and operation**

An advantageous solution for long-term missions in remote locations, providing sustainability, resilience, and logistical flexibility.

## INNOVATION

The metal-electrolyte reaction technology is a unique selling point, setting this generator apart from traditional power sources as there are no analogous generators on the market.

**CONTACT US**



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