

DECARBONIZE  
ENERGY



## HYDROGEN REACTOR

### Hydrogen Future of Energy

#### ESSENTIAL INSIGHTS

- ✓ Clean H2 < \$1 per kg
- ✓ Reaction absorbs Co2
- ✓ Zero Emissions
- ✓ Pure Hydrogen
- ✓ Long Reactor Life
- ✓ Fully Certified - TUV Nord

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# The Facts



Hydrogen is created by chemical reaction only, **no power input is used**



**Any source of water is usable**  
Suitable for brackish, fresh or seawater



**Fully absorbs Co2**  
in process



The chemical reaction can take place at **any environmental temperature**



Uses **efficient and low-cost** available reactants

## Strategic Advantage Summary

- NO external energy required (electricity, temperature or pressure)
- All raw materials are available in every country
- Any type of water can be used (brackish, rain, bore, sea water)
- Carbon Dioxide fully absorbed in process
- The process can be performed anywhere under ambient temperature
- 1Kg of **REAL green** hydrogen <\$1 US
- NO waste at end of production
- Technology is exothermic and is a chemical process
- Can be scaled to any size
- Sustainable green process - zero emissions or greenhouse gas
- Catalyst price is very low
- Catalyst can be reused
- Low Capex cost - scalable industrial to household use
- High purity H2 - verified 99.95% without filtering
- Suitable for Ammonia production and de-sulfuring for gas production
- Fully tested and certified by TUV Nord
  - Europe's most respected Industrial Certification Laboratory
- TWO technologies in ONE
  - Hydrogen Production
  - Carbon Dioxide Remediation