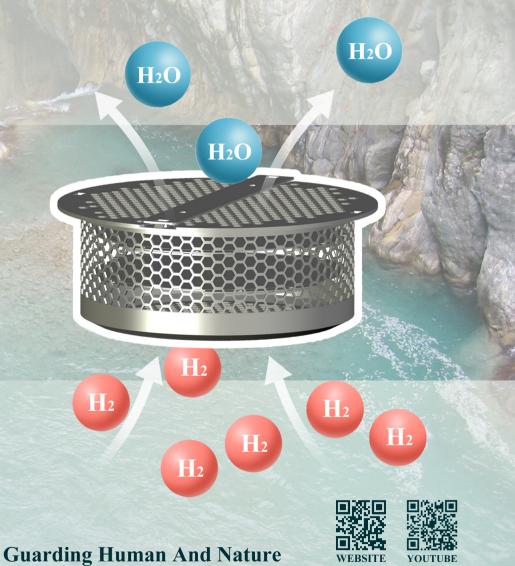


TOPLUS

鼎佳能源股份有限公司 Toplus Energy Corporation



Hydrogen Exhaust

HPR (Hydrogen Purification and Recycling)

ECHP PCAP

Electrochemical Hydrogen Purifier







- Wide operation window of pressure (ambient pressure ~10 bar)
- ECHP: Purified H2 concentration >5N, Low operation temperature (<100°C), SEMI S2 certification
- PCAP : Separate impurities including H₂O, O₂, NH₃, VOCs, etc.
 Self-regeneration

DeHydrogenizer

DHP
DeHydrogenizer
Pumping type



- o CO2/NOx emission free, flameless
- Low temperature (<100°C)
- Low energy consumption
- Heat reuse available

DHC
DeHydrogenizer
Convection type



- Eliminate hydrogen leaks in a confined space
- o No power required, fuelless, consumable-free
- Third-party witness inspection

Toplus' approach

Hydrogen Purification and Recycling: Providing hydrogen exhaust purification for recycling and electricity generation. Dehydrogenizer: Providing safer and greener solution to residual and leaky H₂.

