



Nutcher Hydrogen

gölu-H₂

The Future of Energy and Operation.

Nutcher Hydrogen offers exclusive access to the most efficient units in the hydrogen energy industry. The Golu-H2 system leads in commitments to environmental conservancy through its demonstration of fossil fuels abstinence and carbon negativity, all while remaining economically sound. To meet the needs of today's fast-paced energy industry, and with ever-changing regulations, the Golu-H2 system boasts triple-production capabilities, offering green electricity, green hydrogen, and carbon capture.

A CLEANER ALTERNATE

Standard Unit Information

- 1250 kg daily on-site hydrogen production
- Only Ethanol and Water required
- Deployable at site-specific capacities
- Stand-alone source of Green Hydrogen
- Eliminates > 10 tons of CO2 Emissions per day

MONUMENTAL PRODUCTION WITH A FRACTIONAL FOOTPRINT

The impactful 1250 kg/day hydrogen, with a purity fuel cell grade of 99.999%, that the Golu system provides only requires 40' x 8' of space. This is an unbeatable metric when compared to solar energy requiring tens of acres of panels to meet the same production rate. **The off-grid Golu's H2 system's proactive approach to energy generates electricity for today's needs, hydrogen for tomorrow, and carbon capture for the next generation.**

Meeting the Electricity Need

The Golu-H2 system offers an electrical output of 1 Mw/hr that powers a growing electric fleet. The 40' x 8' unit far surpasses the solar panel equivalent.*

Output: 1 Mw/Hr	1250 Kg/Day H2	Carbon Capture
Golu-H2 Unit: 40' x 8'	40' x 8'	10 Tons/Day
Solar Field Equivalent: 42 Acres	135 Acres	None

*System also requires a H2 fuel cell generator.

Embracing this technology helps your industry save costs, reduce the carbon footprint, increase fossil fuel abstinence, and be proactive with upcoming regulations.

BENEFITS

- Thermo-Catalytic Process
- Takes Wet Ethanol
- No SOx
- No external heat required
- Zero carbon intensity process
- Additional Revenues from Biogenic CO2
- Up to 20% dilute ethanol
- 20x less water than electrolysis
- 85% less than SMR

Fueling Capacity:

FCEV Buses = 50/day
EV Buses = approx. 240/day

Emissions:

Fossil CO2 = Negative
NOx = Zero

42+ acre solar farm



1.5 acre electrolyzer



40' x 8' Golu system



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