

Waste to Energy

FOR A POLLUTION FREE WORLD

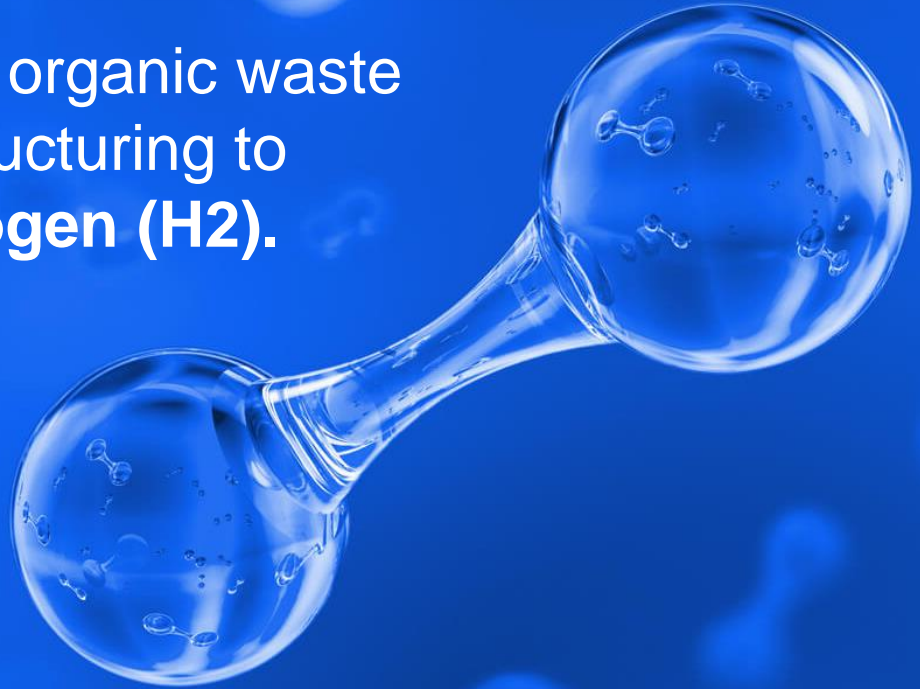


TECHNOLOGY

w₂e technology merges organic waste disposal and molecular restructuring to produce **99.99% pure hydrogen (H₂)**.

All other hydrogen production processes are extremely energy intensive. With **w₂e**, once the chemical reaction is started, little additional energy is required.

w₂e is a modular scalable process from a single 3 tons per day plant, up to a multi-reactor system that can process hundreds of tons/day of feedstock. It can potentially generate 100 to 300 Kg/hr of hydrogen per ton of substrate as well as 1 to 2 tons of food grade CO₂ to be sold for food, commercial and industrial applications according to substrate chemistry.



How it Works

w₂e's system produces Clear Hydrogen through:

- An Exothermic Thermochemical Process
- Using a high-heat, recirculating, fully contained Sulfuric Acid Bath
- Dissolving any organic feedstock including waste tire rubber, plastics, paper, wood, garbage, hospital waste...or coal
- Into a gas used in a catalytic thermochemical reaction
- Splitting water to produce H₂ and food grade CO₂
- A safe, clean process creating NO harmful emissions to the atmosphere.

The Future of Hydrogen Production

Additional Core Benefits of W2E

- No combustion of materials
- No generation of NOx or Dioxins
- No metals volatilized in an emission from a stack (mercury)
- No carbon emitted to the atmosphere
- Carbon dioxide easily captured without costly scrubbing systems
- Can create its own electricity with H₂ or waste heat
- Creates its own heat for endothermic reactions
- Made of metal alloys designed to withstand high corrosivity and high temperatures (+/- 600°C / 1,100°F)

The Future of Hydrogen Production

We create Energy from Waste W2E

- Methane (RNG)
- E-Methanol
- Hydrogen
- Food/Medical Grade Carbon dioxide
- SAF (Sustainable Aviation Fuel)
- Green Electric Power

**w2e is the answer for the ever-growing
waste and demand for clean energy crisis
worldwide.**



Cost Effective. Scalable. Ready to Launch.

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