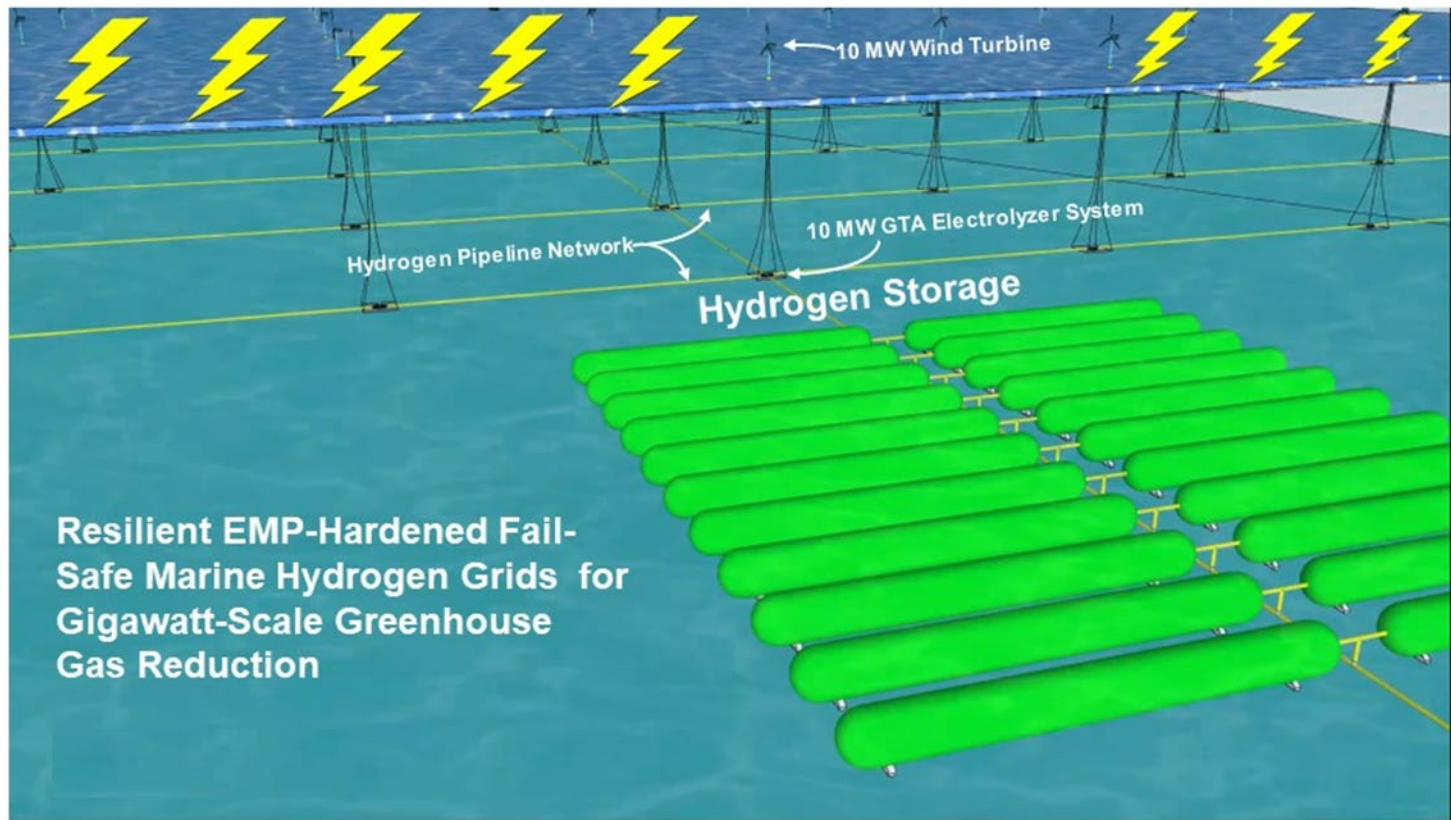


Electrolyzers that Live Outside and Underwater

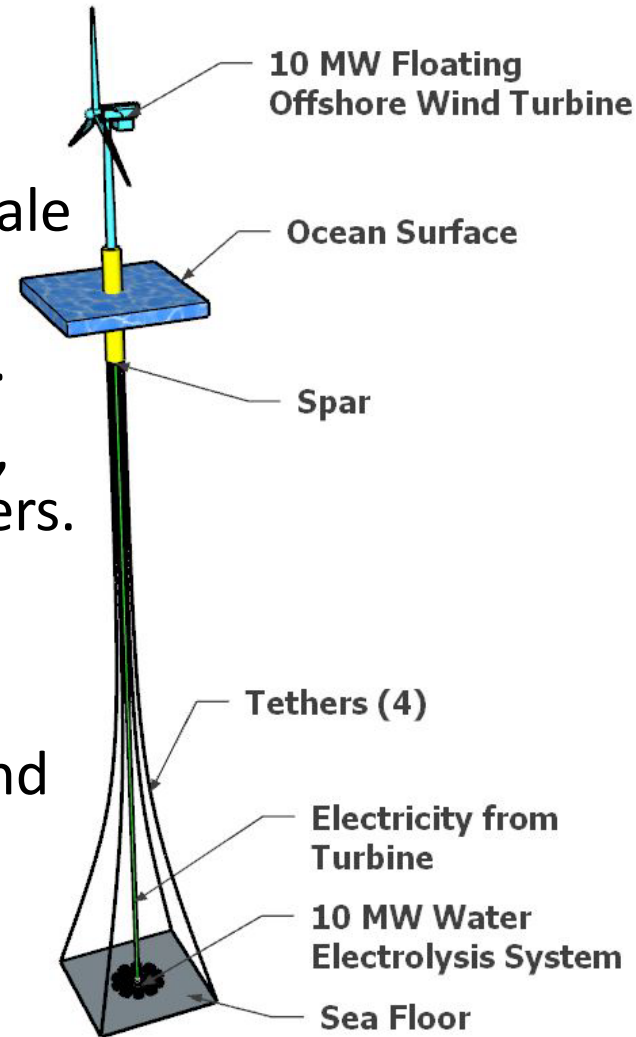
A Resilient Hybrid LDES Hydrogen Production Storage and Distribution System



Elias Greenbaum, GTA, Inc., greenbaum@gtaH2.com

Key Features and Unique Selling Points

- Safest approach for working with gigawatt-scale hydrogen.
- Pressure-balanced, stress-shifted electrolysis.
- Low-cost commodity materials: polyethylene, Viton gaskets, nickel electrodes, steel fasteners.
- Behind-the-meter electricity.
- Failsafe in subfreezing weather.
- Shielded from hurricanes, lightning strikes, and EMP events.
- Workforce availability.
- Community acceptance; Regulations & permitting (BOEM, BSEE).



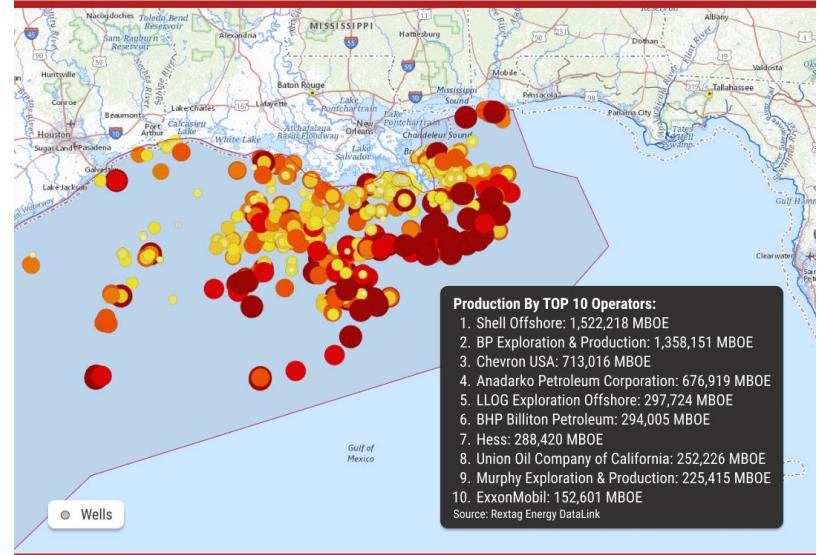
Initial Target Audience

- Offshore gas and oil industry in the Gulf of Mexico
 - Decommissioning obligations for offshore platforms
 - 2,000 platforms
 - \$10 million per platform
- U.S. Gray Hydrogen Industry
 - 10 million metric tons per year
 - \$12 billion per year

Green Hydrogen Market Potential

U.S. Offshore Wells Map

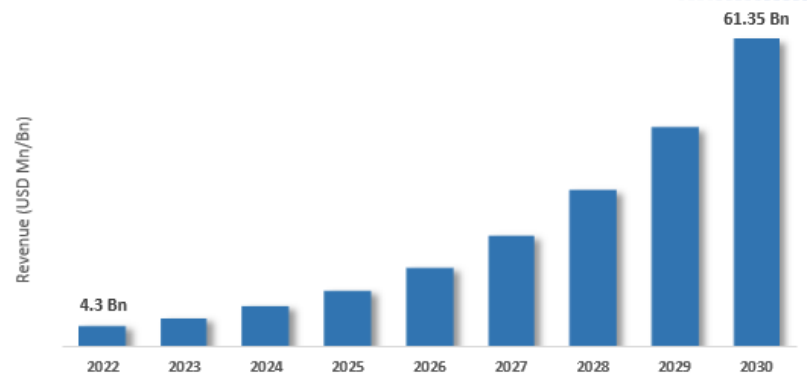
(UPD Feb 2024)



Source: Rextag, Comprehensive Data Intelligence



Global Green Hydrogen Market 2030



CAGR : 40.00%

source: zionmarketresearch.com



THE NATIONAL CONSORTIUM FOR THE
ADVANCEMENT OF LONG DURATION
ENERGY STORAGE TECHNOLOGIES

Breakthrough Technology Available for Licensing or Purchase Now

- Ready for scale-up and commercialization.
- Four U.S. Patents, plus international patents in multiple jurisdictions.
- GTA is your transition partner to pilot scale and commercialization.

Thank You

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