HNO INTERNATIONAL

Hydrogen Production Scaling with Committed Demand

Katy, Texas & Partner-Led Locations

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THE OPPORTUNITY
HYDROGEN SCALING MODEL

Hydrogen demand is increasing across logistics, industrial, and mobility markets, yet scalable, commercially viable hydrogen production capacity continues to lag behind customer needs.

Customer-Anchored Production

Hydrogen production serves only customers with confirmed, committed demand.

Capital Discipline

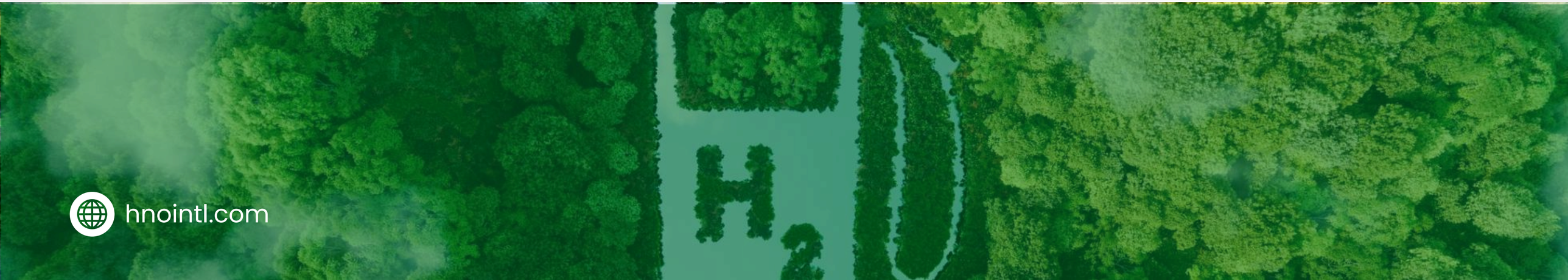
Capacity is deployed incrementally, avoiding speculative investments and stranded infrastructure.

Modular Scalability

Electrolyzer systems enable efficient hydrogen production scaling as customer demand increases.

Demand-Led Expansion

Production capacity expands only when customer demand is contractually secured.



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CUSTOMER COMMITMENT
HYDROGEN PRODUCTION

HNO International expands hydrogen production only where customers are clearly identified, demand is committed, and project economics are viable, ensuring each deployment delivers predictable revenue and supports attractive return objectives.

Issue

Hydrogen projects are often developed without secured customers, leading to speculative infrastructure, uncertain offtake, and increased financial risk.

Resolutions

HNO International deploys hydrogen production only after customers are identified, demand is defined, and pricing supports profitable operations.

Outcomes

Predictable hydrogen sales, disciplined capital deployment, and scalable production growth aligned with committed customer demand.

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WHO WE ARE

HNO International is pioneering the future of sustainable energy, specializing in the design, integration, and development of scalable hydrogen production solutions to meet the growing energy demands of industries.

While others are building $400-500M facilities that won't be operational for years, we already have green hydrogen stations operational within a year. We can build new ones for less than the cost of an upscale McDonald's franchise — this is who we are.

Our Vision

HNOI is committed to providing innovative, eco-friendly hydrogen technologies that help industries transition to cleaner energy solutions.

Key Achievements

The company is dedicated to developing efficient and adaptable hydrogen infrastructure and production systems that support various industries in enhancing operational efficiency and reducing carbon emissions.

Innovation

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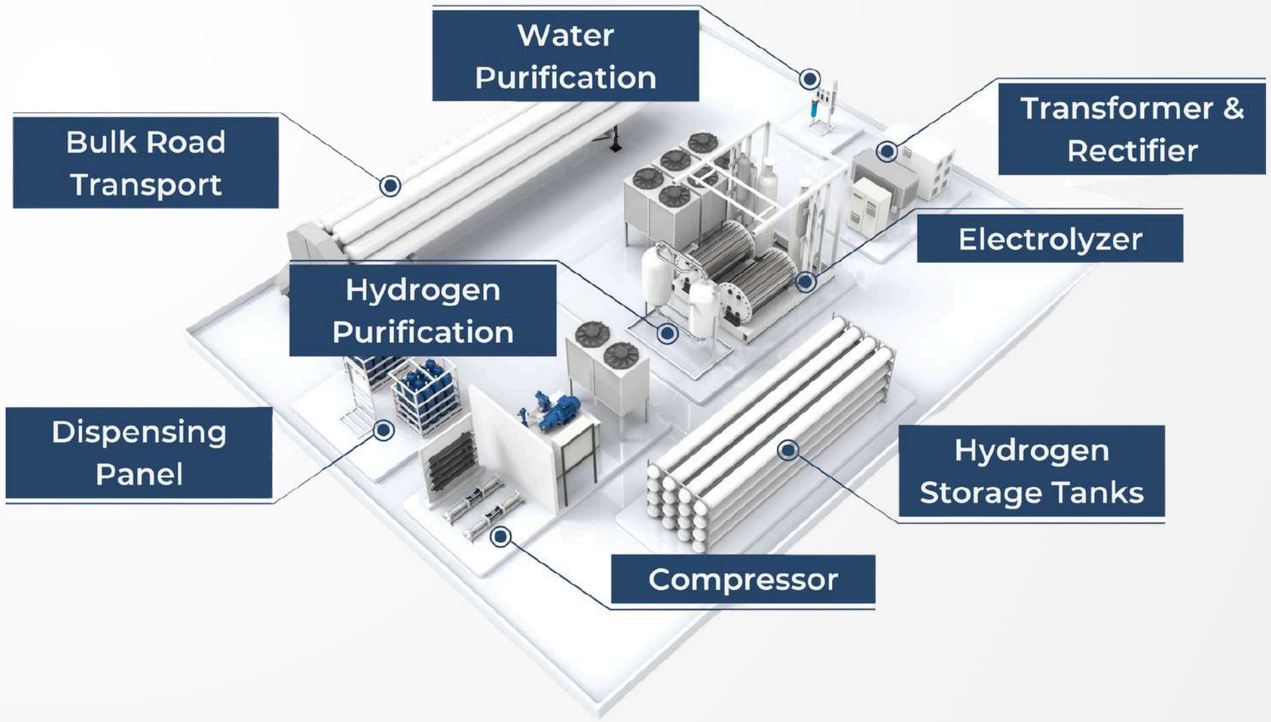
INTRODUCTION TO SHEP & KEY FEATURES

SHEP is a scalable hydrogen production platform built on a 1.25MW alkaline electrolyzer that produces up to 500kg per day of compressed hydrogen from water. SHEP uses electricity to power an electrolyzer which produces hydrogen from water via electrolysis. The oxygen is released and the hydrogen is compressed, stored, and dispensed for offtake and refueling. SHEP is a cost-effective, sustainable solution for building green and clean hydrogen infrastructure.

Key Features

- Scalable and modular
- Up to 500 kg/day per electrolyzer
- Green or grid power
- Containerized Modules
- Localized green/clean hydrogen production



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INTRODUCTION TO CHRS & KEY FEATURES

The Compact Hydrogen Refueling System (CHRS) is a space-efficient solution designed to deliver high-quality, fuel cell-grade hydrogen to fuel cell electric vehicles (FCEVs), hydrogen internal combustion engine vehicles (HICEVs), and other fuel cell applications. CHRS has a small footprint and is tailored for versatile deployment in a wide range of commercial and community settings.

Key Features

- Water electrolysis
- 350 or 700 bar compression
- Hydrogen storage
- Smart dispensing
- Scalable and modular

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INTRODUCTION TO HYDROGEN DRONES

FLY FURTHER
REFUEL FASTER
ZERO WORRIES

Your Hydrogen drone is ready, now your fuel is too!

Swap empty tanks for full ones via delivery or hubs!

Powered by HNO International Inc. & Total Hydrogen Solutions

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TURNING ENERGY LOSS INTO DIGITAL GAIN

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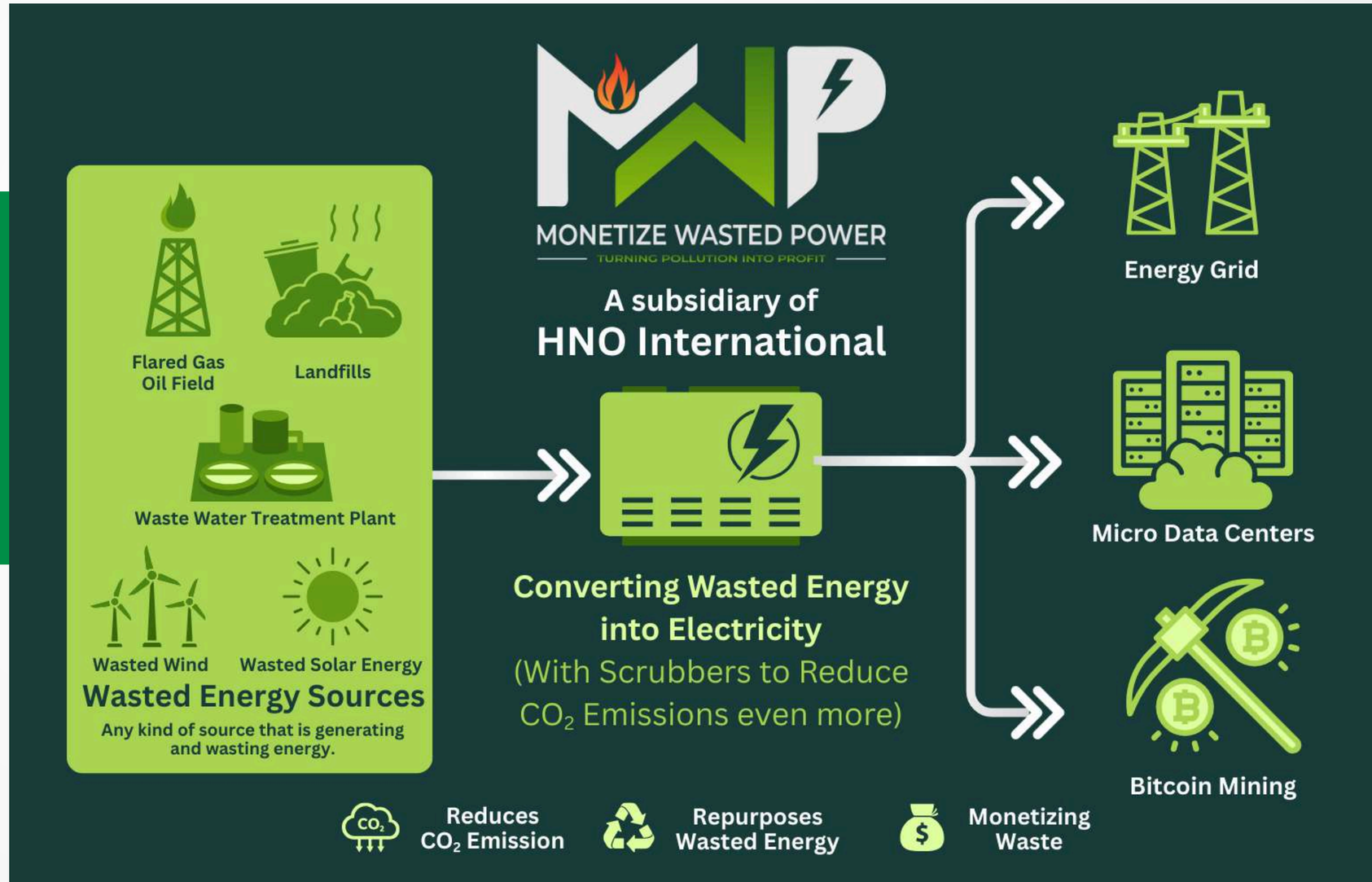
We don't waste power we monetize it.



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KATY, TEXAS
PRODUCTION FOUNDATION

Katy, Texas serves as HNO International's core hydrogen production site, with capacity expansion driven by identified customers, committed demand, and viable project economics.

Anchored Hydrogen Production

Katy provides an established location for deploying modular electrolyzers to produce hydrogen for committed customers.

Initial Customer Demand

Hydrogen production at Katy is supported by identified customers, including container-based supply models and logistics applications.

Scalable Production Capacity

Production capacity at Katy can be expanded incrementally by adding electrolyzer units as customer demand increases.

Katy, Texas delivers reliable hydrogen production today and serves as the blueprint for scalable, customer-driven expansion.

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EXPANSION BEYOND KATY
PARTNER-LED HYDROGEN PRODUCTION LOCATIONS

HNO International expands hydrogen production beyond Katy through partner-led deployments, ensuring production is only established where customer demand is committed and economically viable.

HNOI PROVIDES

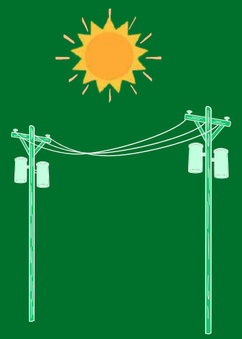
- Modular hydrogen production equipment
- Electrolyzer deployment and integration expertise
- Hydrogen production operations and optimization
- Standardized, Containerized SHEP deployment model

PARTNER PROVIDES

- Site location and supporting infrastructure
- Reliable power access for hydrogen production
- Identified and committed hydrogen customers
- Local operations, logistics, and permitting support

CONTAINERIZED SHEP™

Containerized Hydrogen Generation & Refueling Model



Renewable Power from Grid
2-5MW Power at Green Rates Program

Electrolyzer
40' Water to Hydrogen Electrolyzer Container

Compressor
40' Hydrogen Compressor Container

Hydrogen Storage Tanks
Store Hydrogen for Dispensing

350/700 Bar Compression
Getting Hydrogen Ready for Dispensing

CHRS™ Dispenser
350/700 bar Hydrogen Dispensing