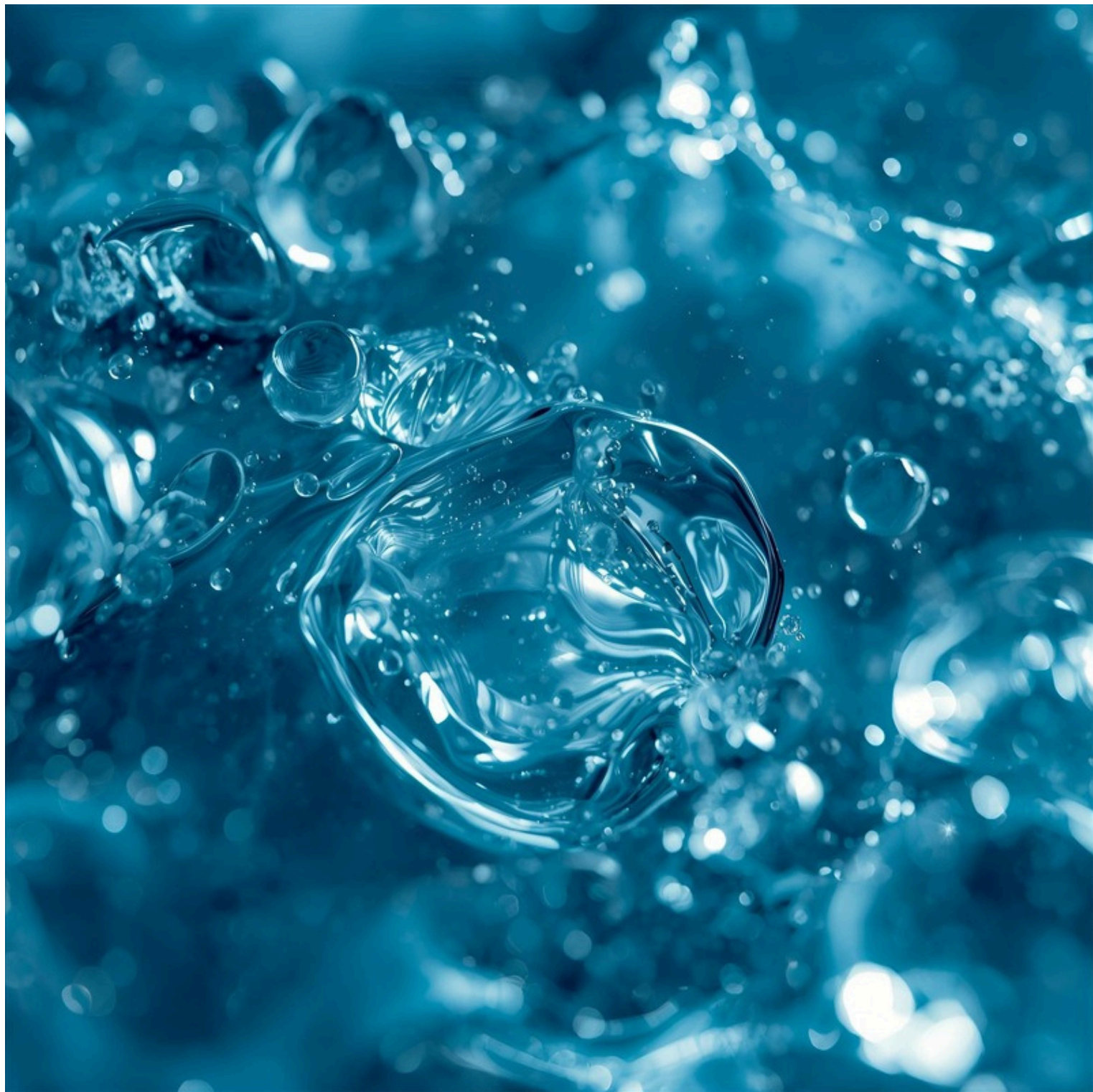


H2NEX

Smart Hydrogen Value Chain Management Platform
IoT • AI • Blockchain for Clean Hydrogen



About Us

H2NEX is a Saudi digital platform designed to enable clean hydrogen production, traceability, and export compliance through trusted operational data.

Problem

- Lack of trusted hydrogen traceability from production to storage and transport
- Difficulty proving carbon origin for global export standards
- Fragmented solutions and high compliance costs
- Operational data gaps delay export readiness

Result: Lost opportunities and slower access to global hydrogen markets



Solution



A unified SaaS platform powered by:

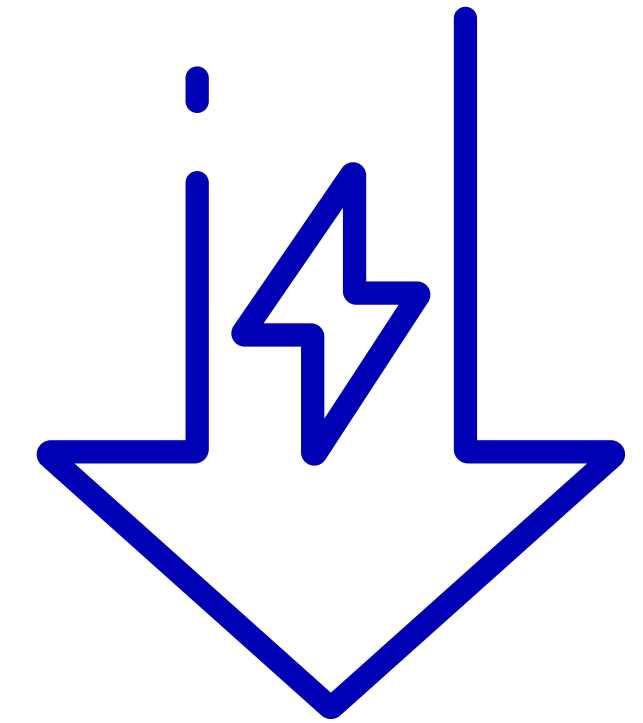
- IoT Sensors
- AI-driven analytics
- Blockchain-based carbon provenance

Full value chain visibility & compliance automation

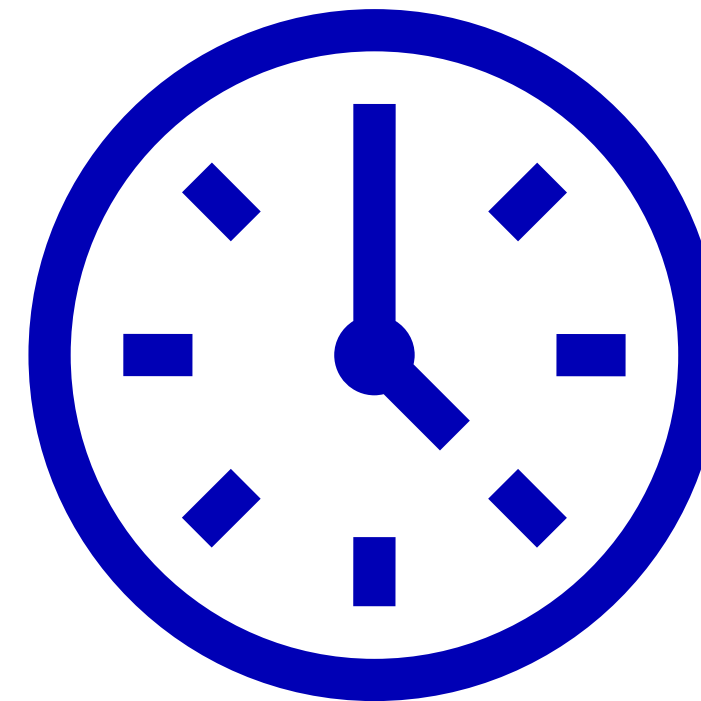
Why H2NEX

Digital infrastructure enabling
clean hydrogen export

Reduce
compliance
costs 25–35%



Accelerate
certification &
export process
3× faster



Market Opportunity

Saudi Arabia Leads The Global Clean Hydrogen Market



- Saudi Arabia is investing **200+ Billion SAR** in clean hydrogen by 2030
- Export markets require trusted **carbon origin data**
- **No specialized** hydrogen traceability platform in the region
- Digital compliance infrastructure is crucial for the **National Hydrogen Strategy**

Total Available Market (TAM)

**Global clean
hydrogen digital
infrastructure**

Serviceable Available Market (SAM)

**KSA export-driven
hydrogen
operations**

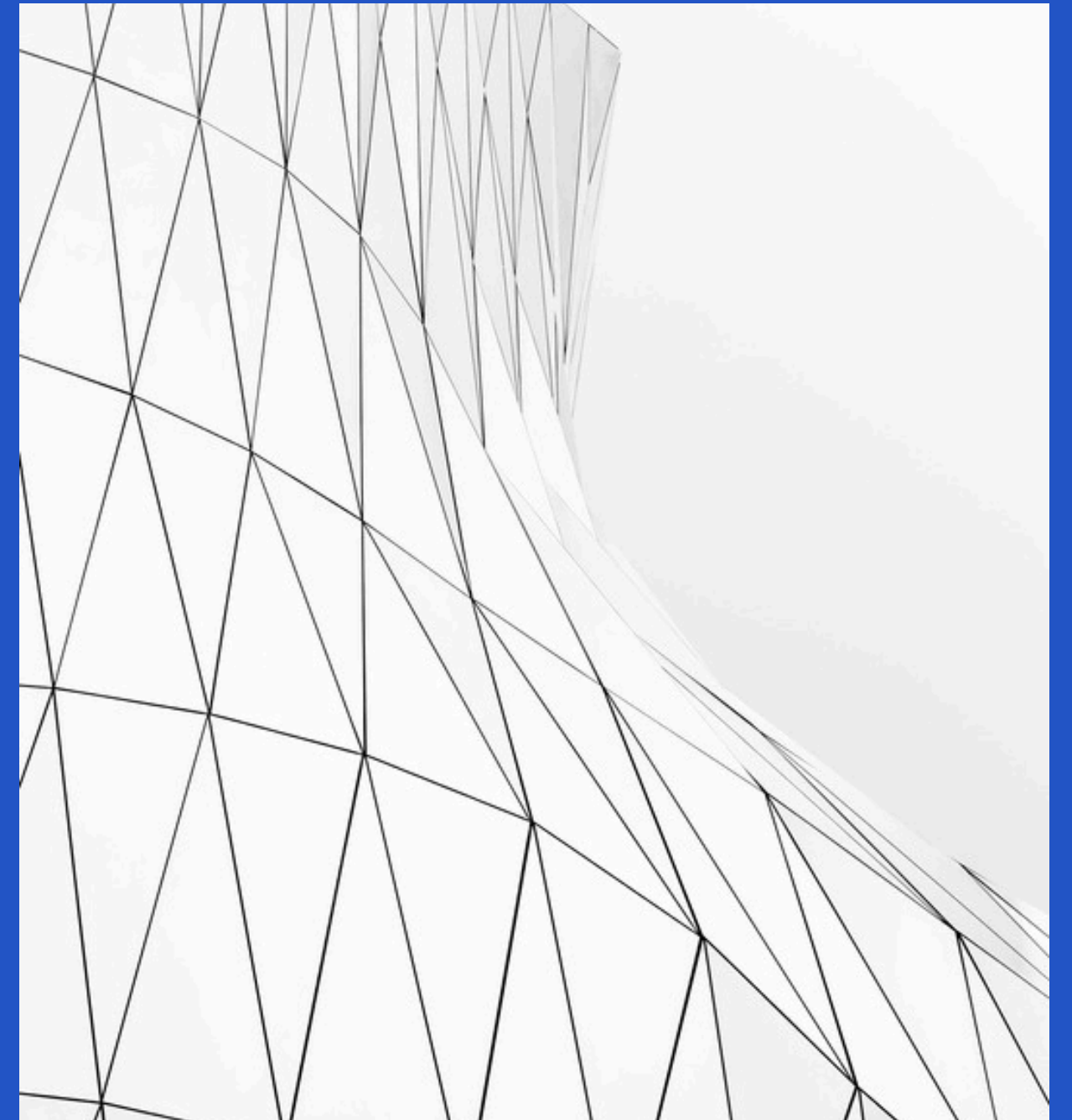
Serviceable Obtainable Market (SOM)

**Initial targeting of
producers and
logistics providers**

Market Demand Drivers

Global clean hydrogen adoption is accelerating, pushing the need for digital traceability and carbon origin verification to enable export readiness and operational efficiency.

- **Export buyers require carbon origin proof**
- **Rising investment in KSA hydrogen production**
- **Digital compliance infrastructure is becoming essential**



Business Model



We generate revenue as a B2B SaaS model by enabling clean hydrogen producers and logistics operators to achieve export compliance and operational traceability.

Revenue Streams

- Annual SaaS Subscription
- Hydrogen supply chain tracking fees
- Carbon origin digital certificates
- Data analytics services

Customer Segments

- Hydrogen production facilities
- Storage and logistics operators
- Export-oriented industrial plants

Feature / Player	H2NEX (KSA)	CertifHy (EU)	M-RETS (US)	FlexiDAO (EU)	Circularise (EU)	SAP (Global)
Focus	Clean Hydrogen	Hydrogen Certificates	Renewable Gas Certs	Renewable Energy Tracking	Industrial Traceability	ERP Business Ops
Region Fit	Saudi & GCC	EU	US	EU & Global	EU & Global	Global
IoT Integration	✔ Full	✗	✗	Partial	Partial	✔ (Generic, not H2)
Carbon Origin Proof	✔	✔ (EU)	✔ (US)	✔	Partial	✗
Export Compliance Alignment	Saudi Strategy	EU Only	US Only	✗	✗	✗
Hydrogen- Specific	✔ Yes	✔	✔	✗	✗	✗
Local Regulatory Fit	Strong	✗	✗	✗	✗	✗

Competitive Advantage

- ◆ **Hydrogen-Specific** — **Focused** 100% on the clean hydrogen industry needs
 - ◆ **Regulation-Ready** — **Designed to** support export compliance and carbon proofing
 - ◆ **Integrated Tech** — IoT data, blockchain validation, and AI analytics in **one ecosystem**
-

Our Team

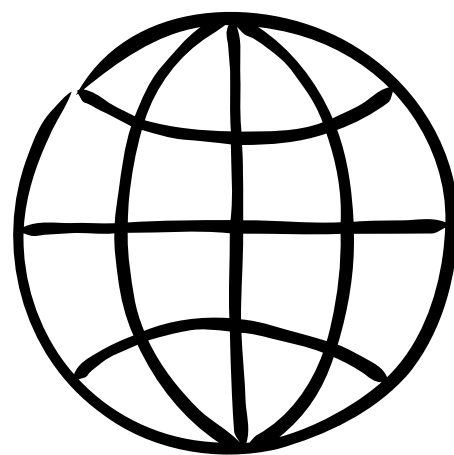
We are assembling a high-caliber team combining digital and energy domain expertise to lead the future of clean hydrogen traceability in Saudi Arabia.

FOUNDER & CEO



Hamid Youssouf

CTO



Saeed Badgish

Thank You

Accelerating the future of clean hydrogen in Saudi Arabia

**Let's build the digital backbone
for hydrogen exports**

 Kingdom of Saudi Arabia

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