# **TOBE.** ENERGY

# Green hydrogen: now cheaper than fossil fuels.



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### Companies want to go green. Costs keep them stuck.

77%

of executives are unwilling to pay a premium for green technologies





85%

of organizations are concerned about reducing their greenhouse gas emissions

BCG



# $CO_2$

Fossil fuel derived hydrogen emits more CO2 than the entire aviation industry

### lea



## No industry wants to decarbonize more than hydrogen.

#### **Current Uses**

#### **Future Uses**

- Pertilizer
- 🗧 Food
- Medical
- Pharma
- Metal
- Refining

- ✓ Aviation
- Transport
- Heavy Industry
- Grid Backup
- 🖄 Industrial Heat
- Al Data Centers



### \$150B TAM



### The cost you want to see.



### **Industry leading 42.23<sup>1</sup> kWh / kg of H<sub>2</sub>**

### @ Oklahoma Industrial Power Rates

<sup>1</sup>HHV Basis 93+% Efficiency



# **Comparing**, apples to apples – via Platts' methodology.

Renewable Derived Hydrogen \$19/kg<sup>2</sup> Fossil Fuel Derived Hydrogen \$10/kg<sup>2</sup>



These prices say *"pickup only"* because they don't want you asking about delivery. Most hydrogen hubs are hundreds of miles from actual users. That means liquefaction, trucking, and massive cost increases.

<sup>2</sup>Source: S&P Global Platts Hydrogen Price Assessments, March 2025

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# The hidden cost of energy loss.







>40% energy lost as heat

\$40 for every\$100 of electricity used is wasted



## How we stack up by the numbers.





# We had to completely re-imagine electrolysis to make it happen.



### Power Electronics

No waste heat. 2x the efficiency. No one else has it (IP Protected).

# Built to last materials

All-American steel. No rare earth metals. No costly replacements. Lower costs while prolonging equipment life.



### Re-Industrialize

Vertically integrated American manufacturing. Margin-protecting. Moatsecuring.



# Sell hydrogen. Build infrastructure. Scale.

### Hydrogen-as-a-Service (HaaS)

Build local delivery networks to slash delivery costs and improve speed.

### Expand Site-by-Site

Starting with the highest margin states first.

### Scale Fast

Lease tech, license IP, expand to ammonia, SAF, and AI power





## How we are getting there.





## Team

#### \$75M+ Projects Managed

Greenfield Natural Gas Facility, Oil Terminal, 10 years in the Energy Industry.

### **Delivered FOAK Tech**

Brought first-of-its-kind zero-emission hydrogen boiler to market. Led engineering, procurement & design.

Founding Team:

Stanford ARKEMA



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## **Our Vision**:

Radically better hydrogen for a radically better world.



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