

Company strategic investors:

Aramco, Sinopec

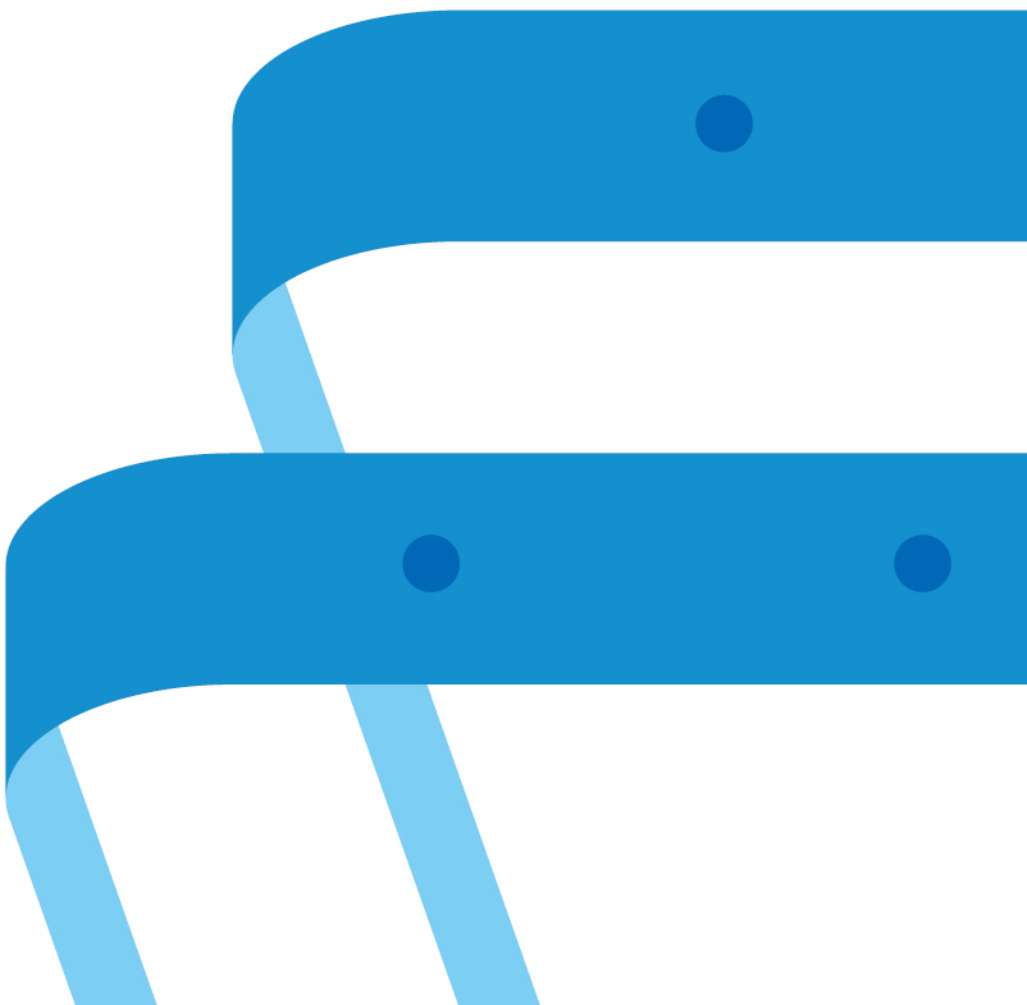
HYDotech

HydoLyser[®]

Advanced Green Hydrogen Production Systems & Solutions

HydoPlant[®]

All-in-One



HydoPlant[®]

Industrial-Scale Green Hydrogen Solution



SAF & Green fuels



**Industrial
Decarbonization**



Energy Supply



Energy Consumption

45–50 kWh/kg

Low Hydrogen Cost

~USD 2/kg

Modular Unit Capacity

40–80 MW

Annual O&M Cost

3% of CAPEX

Reference Project

Xing'an League Green Methanol Project

World's largest green methanol project
enabling renewable marine fuels

Supplying green methanol to global
shipping leaders

600 MW HydoLyser[®] electrolysis capacity

Direct wind-to-hydrogen integration

Hydrogen cost **~ USD 2/kg**



All-in-One

Distributed Green Hydrogen Solution



**Long-Duration
Energy Storage**



AI Data Centers



Industrial Parks



Modular Delivery
40ft Containerized

Flexible Stack Size
250kW – 10MW

Operating Pressure
1.6MPa

For renewable energy
Wind & PV Integration

Benchmark Projects

The largest Hydrogen Energy Storage (HESS) Project in Europe (Solar – Hydrogen – Electricity)



First High-Pressure Alkaline Electrolyzer System Comply with Shell Standards



Western China Hydrogen Production & Refueling Hub: Over 2 years of stable operation



HydoLyser[®]

Core Hydrogen Production System



HydoLyser[®] MK

High-Pressure Alkaline Electrolyzer

Mid-large scale,
low dynamic power
Stack size: 1MW-10MW



HydoLyser[®] X

Low-Pressure Alkaline Electrolyzer

Large scale,
high dynamic renewable
Stack size: 5MW-10MW



HydoLyser[®] AEM

AEM Electrolyzer

Decentralized projects
Stack size: 1kW – 1MW

	Indicator	HydoLyser [®] MK	HydoLyser [®] X	Industry Average
High Efficiency	Rated DC power consumption	<4.3 kWh/Nm³	<4.3 kWh/Nm³	4.3–4.8 kWh/Nm ³
	Current efficiency	97%	99%	85–90%
High Dynamics	Operating pressure	1.6–2.5 MPa	~0.1 MPa	1.6 MPa
	Load range	30–110%	10–120%	50–100%
	Load ramping rate (up/down)	5%/s	5%/s	< 1%/s
Ease of Maintenance	Single maintenance duration	12 h	8 h	1 month



**Strict Safety ·
Compliance with CE
Standards**



**Localized Full-Scope
Turnkey Delivery**

HydoOS[®]

AI-Driven Hydrogen Intelligence Platform



CVM Single Cell Voltage Monitoring

Single-cell monitoring, consistency & stack performance analysis



Fiber Optic Sensing System

AI-powered fiber sensing for electrolyzer temp/stress analysis



Wireless Hydrogen Probe

Safety interlock response time: <5 seconds



Global Delivery Capability

700 MW+

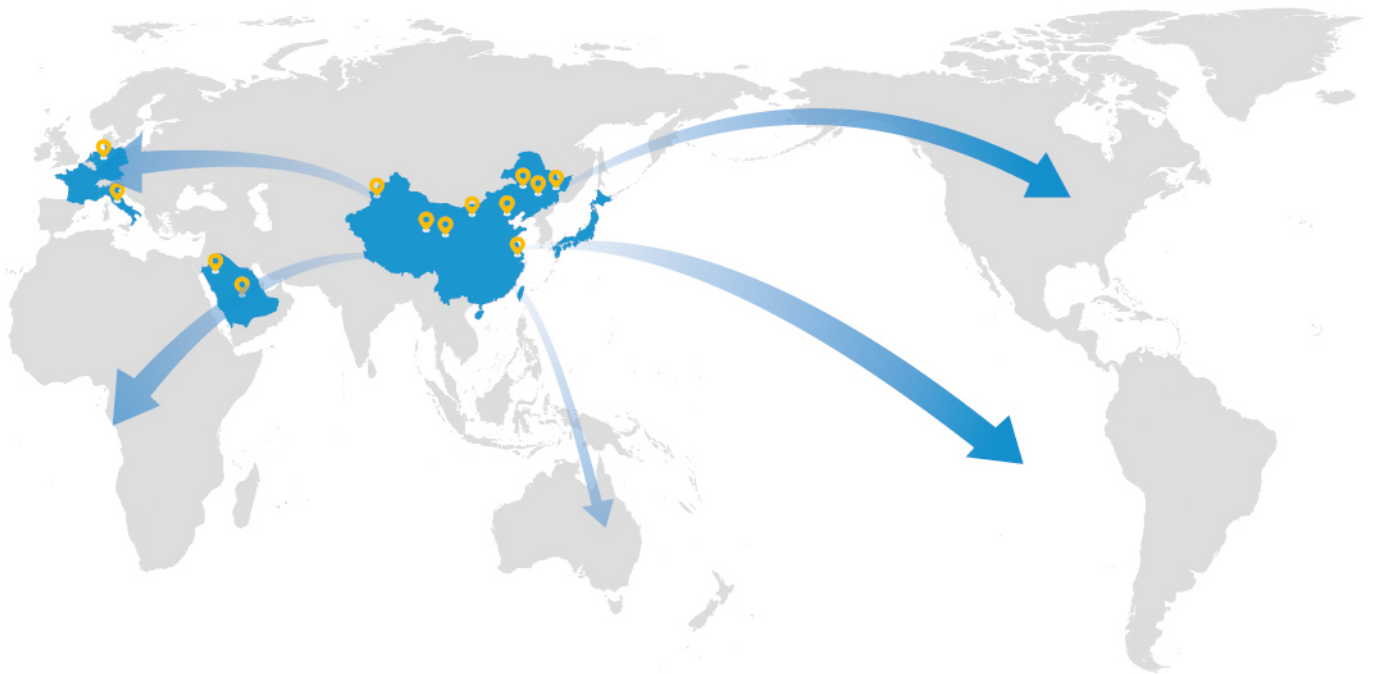
Project Capacity

20+

Global Projects

1 GW

Annual Capacity



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