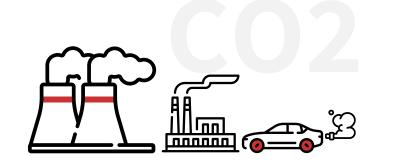


Company Introduction

Dr. Ervin Tal-Gutelmacher - CEO

/II POWERING SUSTAINABLE SOCIETY

Energy Transition From Yesterday's World to the New World

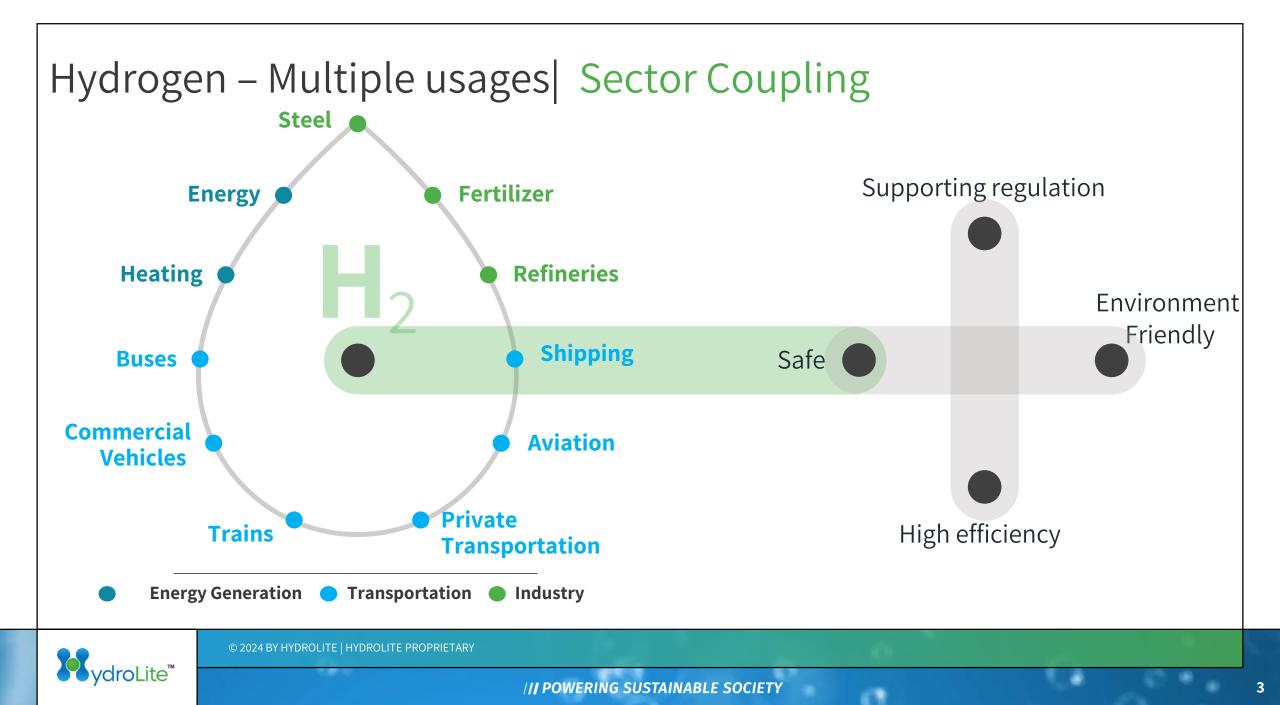


Yesterday's World Fossil Fuels Energy



Green Energy: Wind. Solar. Hydrogen. Hydro





Why Hydrogen Now?



Policy

Net Zero Ambition **75** countries,

50% of world's GDP

Market Opportunity

H₂ Investments \$700B Through 2030*



Economy of Scale

Cost of Renewable KWh ~\$0.03 today

CO₂ Pricing Mechanisms
49 countries
80% of world's GDP

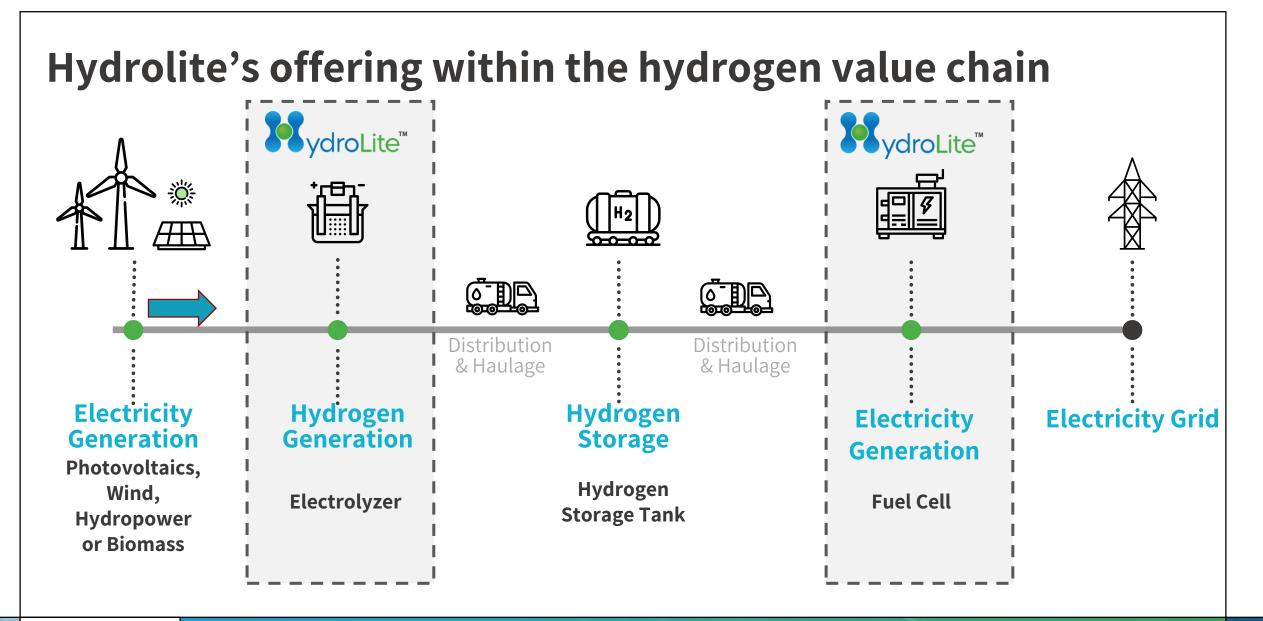
H₂ Market \$130B/Y in 2021 \$12,000B/Y in 2050 Cost of Hydrogen Kg ~\$2.5 in 2030

*Sources: McKinsey and Goldman Sachs



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Hydrolite deep tech | AEM experts since 2008







Patents 56 granted





1,500 SQM FACILITY

Elbit Systems

R&D & fully equipped H2 Test facility





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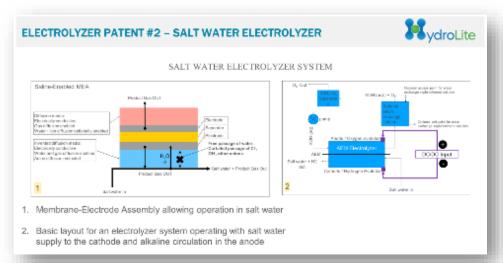


The company has 71 patents | 56 granted worldwide



IP portfolio covers the whole domain from core materials and component to stack & system level:

- Membranes
- Catalysts
- Methods for making of a Catalyst Coated Membrane
- Novel MEAs for AEM devices
- Modes of operation (flexible, intermittence)
- Membrane/MEA manufacture





AEM Technology | Breakthrough Technology

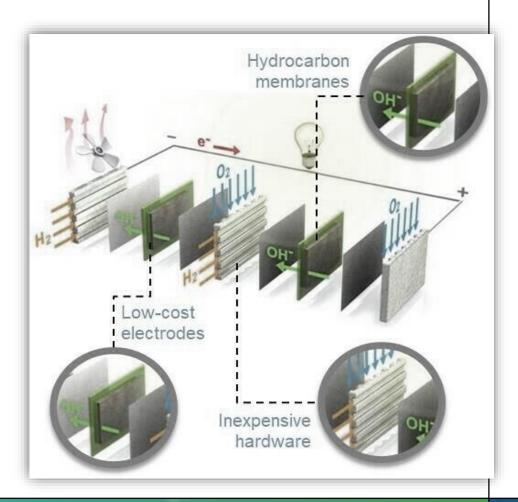
AEM Tech Advantages

Low-Cost Technology | Utilizing available lowcost materials

Performance | High efficiency , dynamic behavior, fast start up

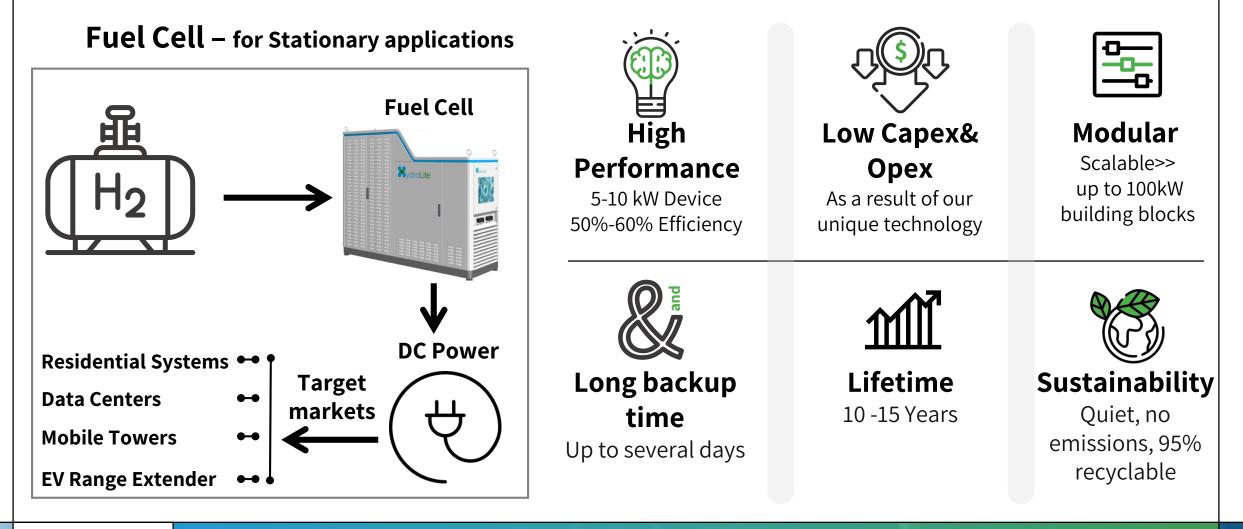
• Low Temperature | small and simple system

Water & Air | Without unique treatment, use of tap/brine water





Our AEM Fuel Cell | High performance, Low cost





Fuel Cell | Road Map Towards Commercialization

Maturing Technology & 8kW FC Back-up System Demo

2024

8 kWp FC system field testing / endurance

2026

Systems commercialization

FUEL CELL

ROADMAP

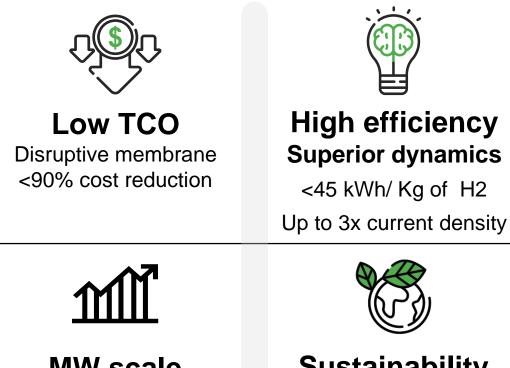


2025

8 kWp product portfolio ready for industrialization & commercialization/ licensing



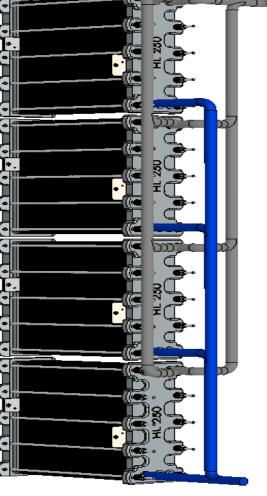
Electrolyzer | Competitive differentiators



Water quality

Low requirements tap, brine water unlike PEM which requires deionized water





differentiators

Business

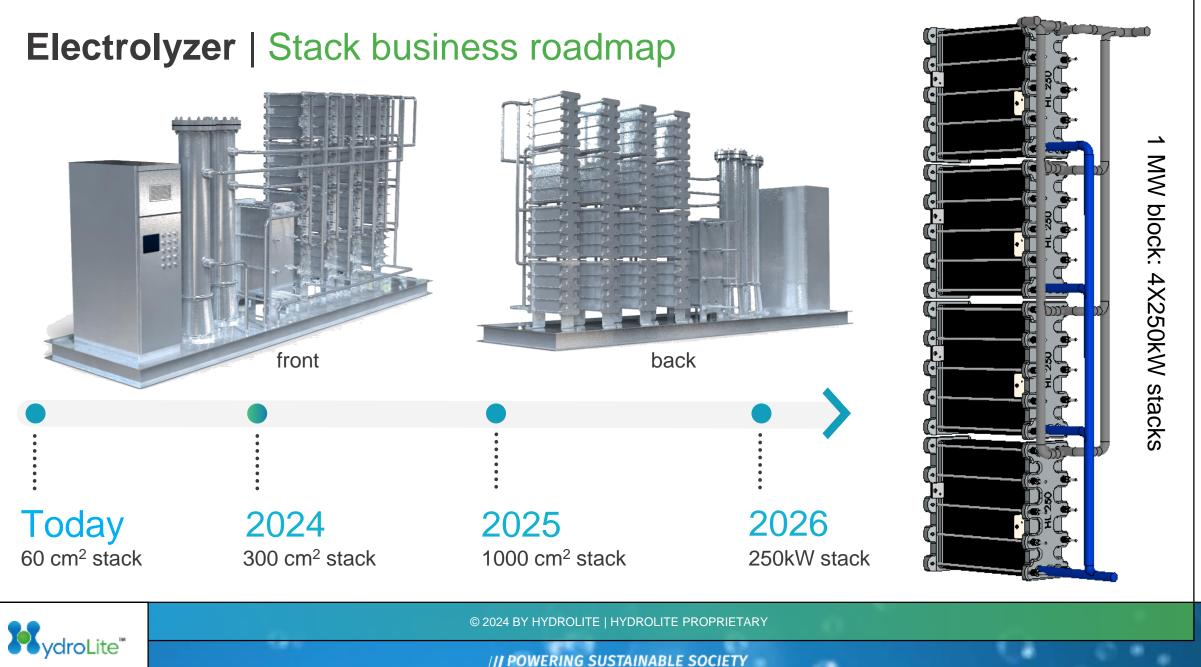
MW scale **AEM stack** 250kw compact stack

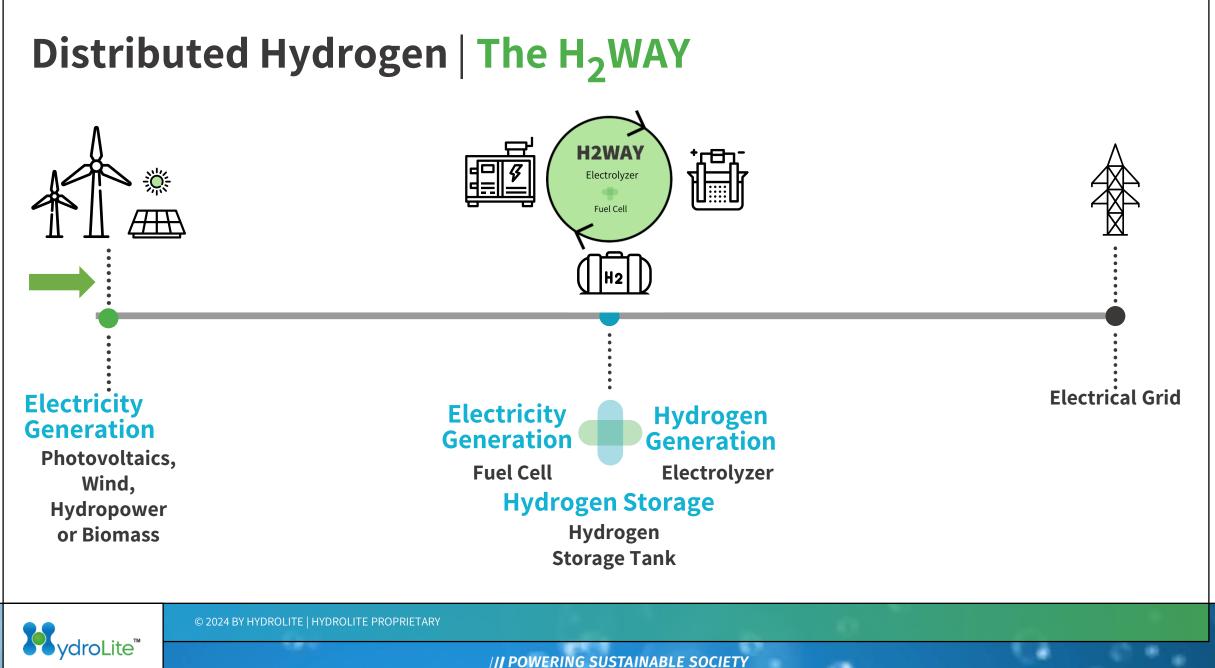
Sustainability

PFAS free membrane, stable & recyclable, non PGM/CRM

AEM expertise

Over 15 years of technology development and proven field tests





H2WAY[™] | Bi-directional revolutionary AEM Fuel Cell & Electrolyzer device

H2WAY[™] Combines Two components to one system

H2WAY[™] Eliminates The need for distribution and haulage

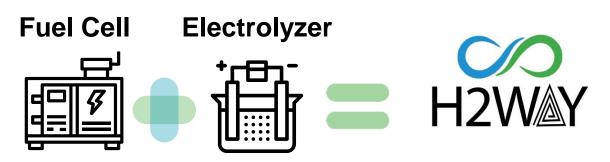
H2WAY[™] Dual Purpose

Provides backup and generates hydrogen

H2WAY[™] Novel Solution

Based on years of research with barriers to entry to create a unique Membrane-Electrode Assembly (MEA)



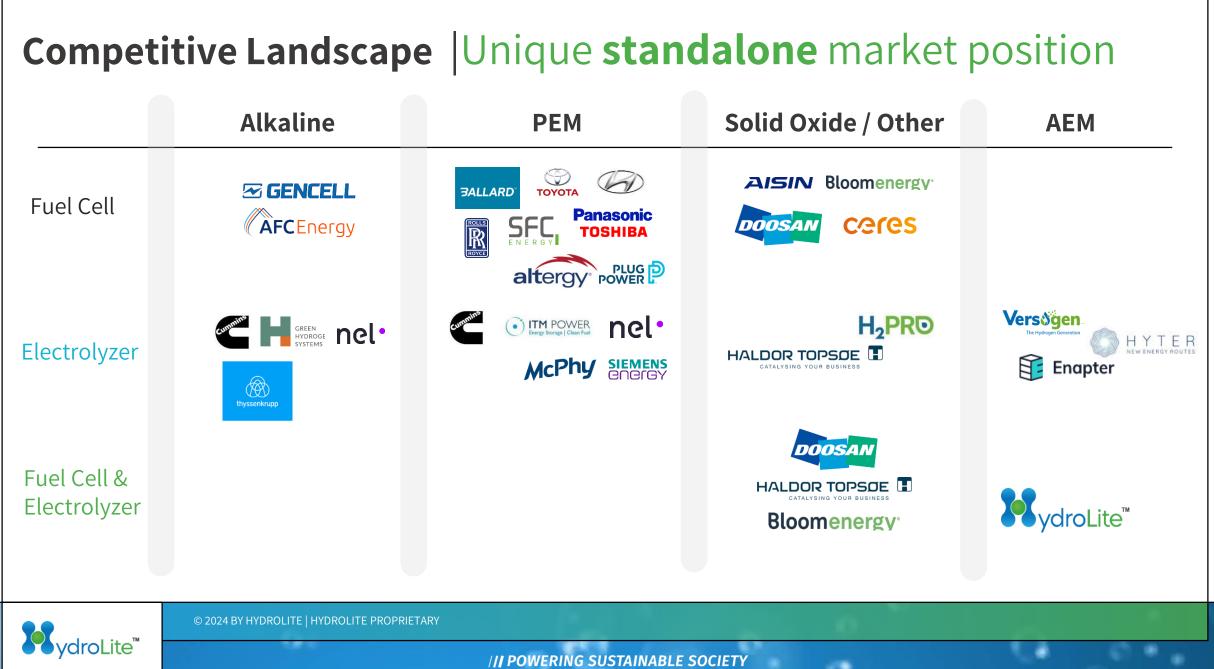






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Partnership with Hydrolite



A multidisciplinary talented and innovative cohesive team with over 12 years of R&D experience



71 patents that cover the whole domain

Standalone market position Fuel cell & Electrolyzer

0.

State of the art advanced laboratory in Israel

Owned by Elbit **Systems** a wellestablished engineering tradition with

a strong presence Worldwide

Hydrolite is searching for **Partners** with an established clear long-term vision towards the hydrogen economy and looking for next generation of hydrogen technology





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