

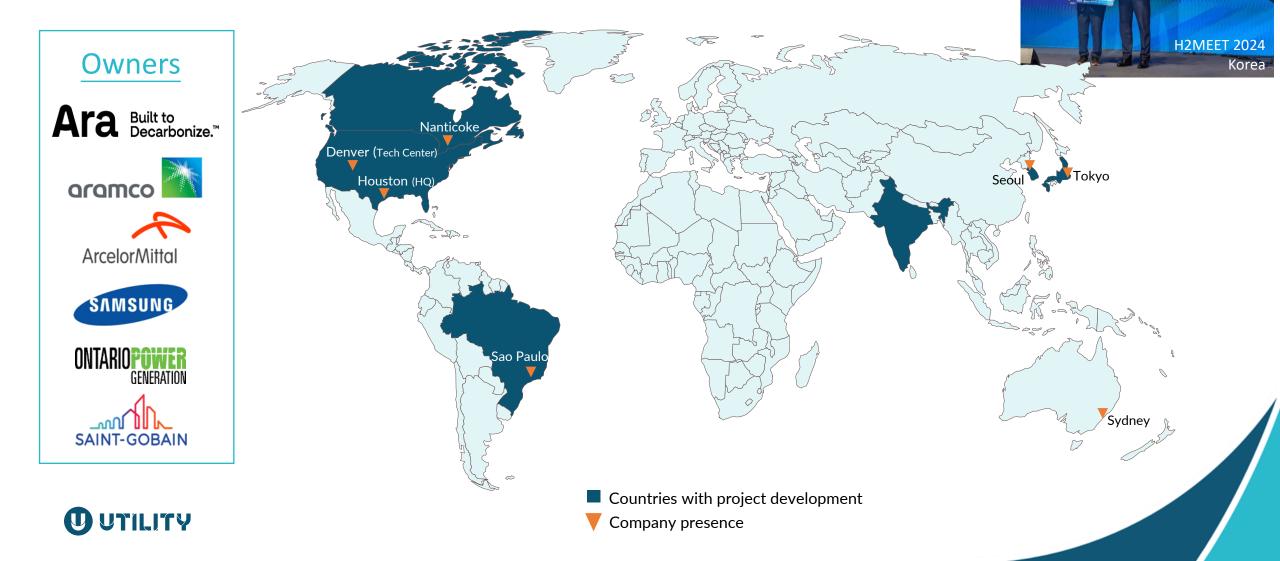


Economic Clean Hydrogen from Water without Electricity

Cost-effective smallest-footprint decentralized H2 production with negative carbon intensity

High Purity $H_2 \rightarrow$

Utility Owners, Projects and Company Presence

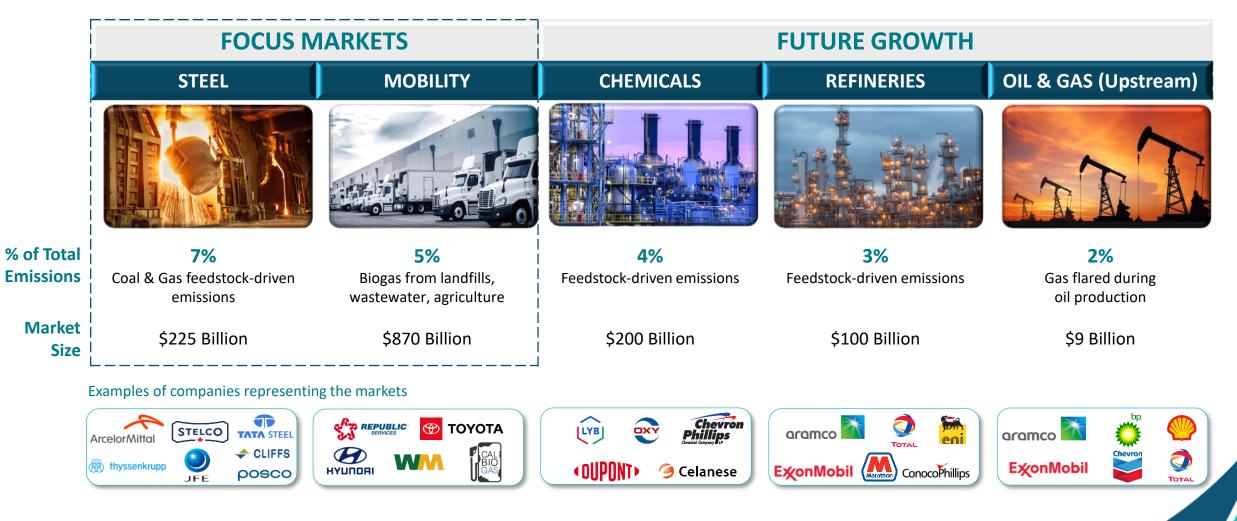


OHTILITY

H2 Innovation Award 2024 Top Prize - H2 Production

Utility Can Decarbonize over 20% of Global Emissions

Market Focus: Strategic Hard-to-Abate Industries



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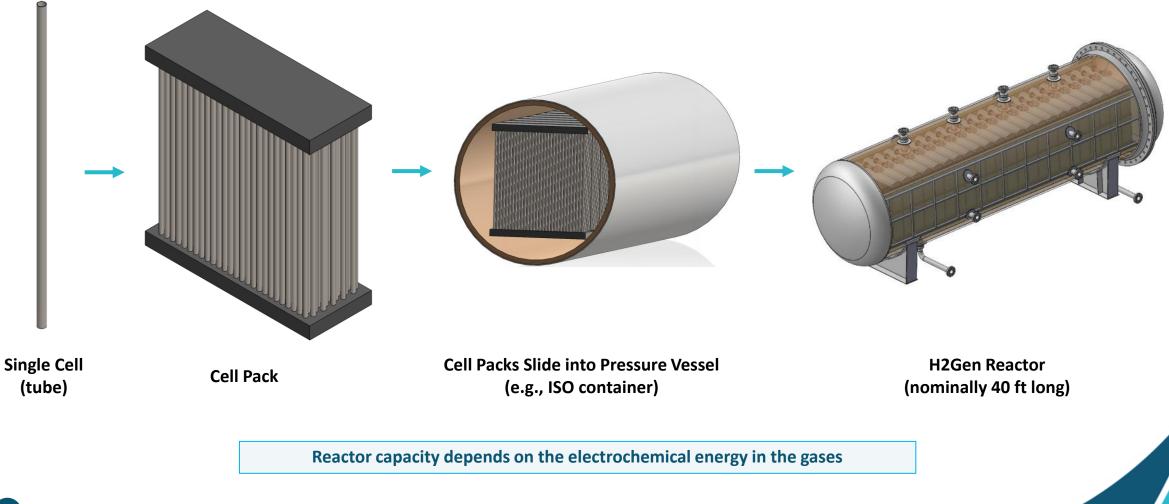


First Project (in Canada)

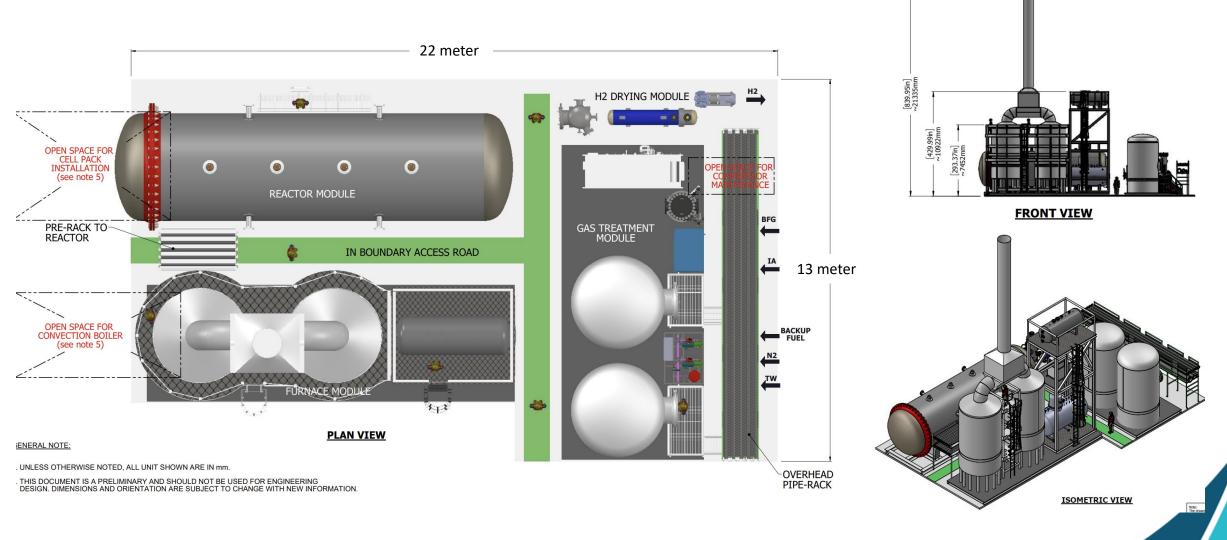
Modular, factory manufactured, scalable, small footprint (40-foot-long ISO container)



H2Gen[®] Reactor Design



Single Reactor Plant – Biogas to Mobility & Small Commercial Installations Up to 4 Ton Per Day (TPD) H2Gen[®] System



Decarbonizing Mobility with Decentralized H₂ Production using Biogas H2Gen[®] Low-cost Solution Enables Distributed H₂ Production for Mobility

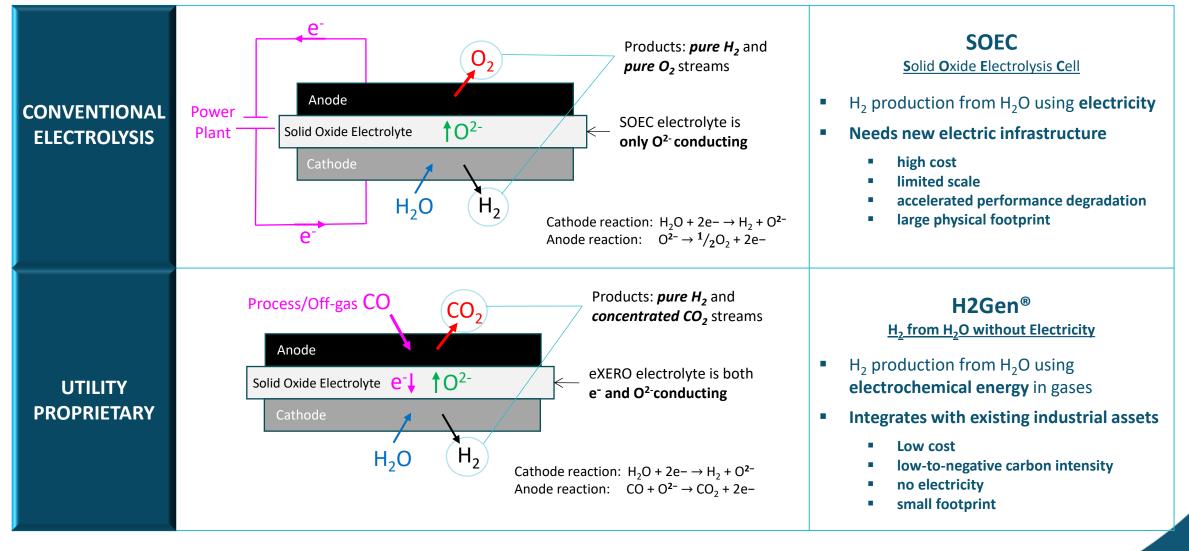


Utility's Hydrogen Advantages

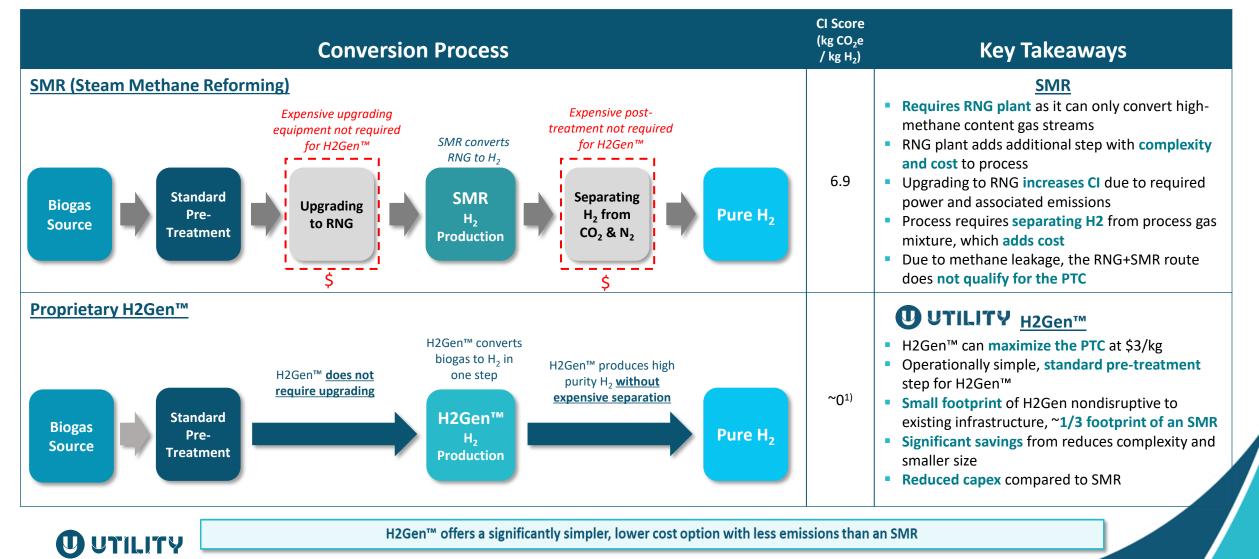
- Energy source: landfills, wastewater plants, dairy farms, food waste and other biogases
- H2Gen plants are highly reliable, affordable, modular, providing distributed, on-site, low-to-negative CI H₂
- Low capex, opex and footprint Hydrogen without requiring expensive RNG upgrading and PSA gas separation
- High project certainty no power needed for hydrogen production (no power-gen infrastructure & permits)

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Technology Fundamentals: Hydrogen from Water without Electricity



Biogas to Mobility Comparison: H2Gen[®] vs. Steam Methane Reforming Lower Hydrogen Cost and Zero Carbon Intensity



¹⁾ Analysis done for landfill gas. For dairy gas, the carbon intensity score is deeply negative

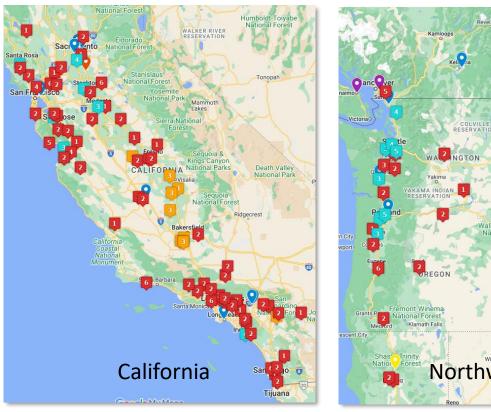
Utility Provides Affordable Carbon-Negative Solution for Heavy Duty Mobility Biogas to Hydrogen Ecosystem

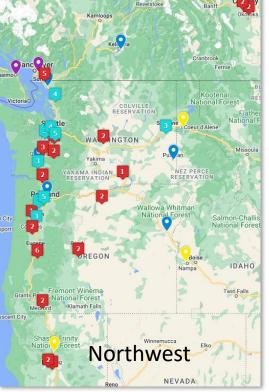


Western U.S. Market Biogas Sources

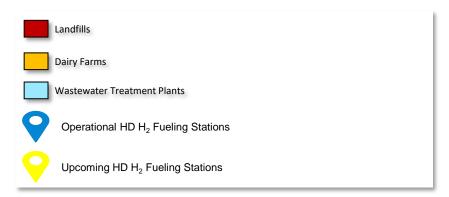
130 Sites Targeted Today with ~1,750 Additional Future Sites

Biogas Sites & Heavy-duty (HD) H₂ Fueling Stations)





Market Opportunity for Utility in the U.S. (CA, OR, and WA)



Example of Key Biogas Source Operators in California, Oregon & Washington

Operator name	Biogas collection (Nm³/day)	End-use
Company 1	706,527	Flared
Company 2	102,563	Flared
Company 3	398,386	Flared
Company 4	80,561	Flared
Company 5	62,325	Flared

Focused on biogas sources that are underutilized (i.e., flared) and not a good fit for RNG

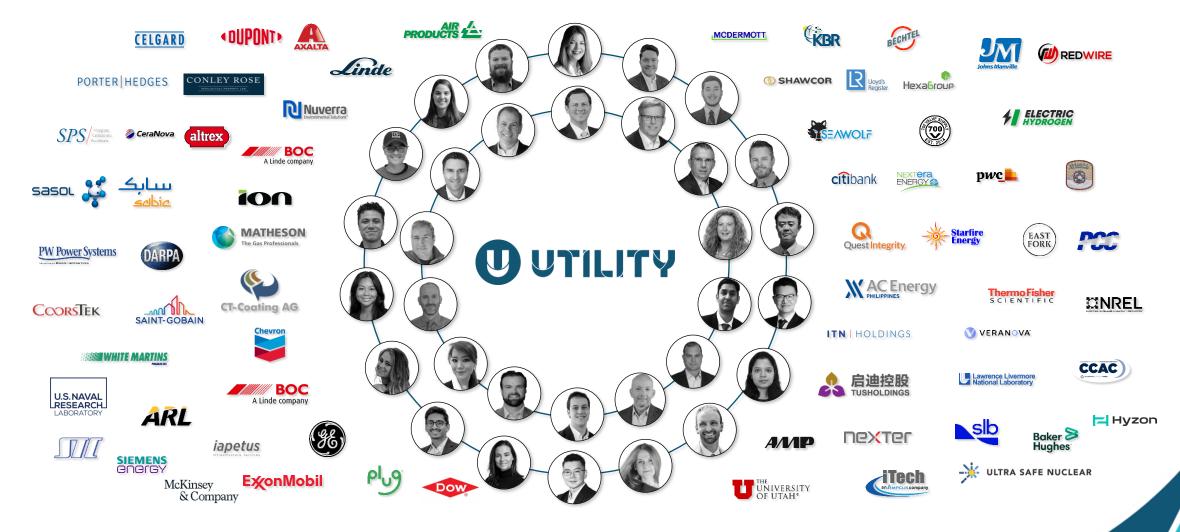
Targeting sites that support 2 to 4 TPD of H2 production and are along trucking corridors

OUTILITY

2 tons per day (TPD) can support ~ 40 to 50 trucks

Entrepreneurial Culture with Experience in Capital Projects Execution & Technology Commercialization

Disciplines in Manufacturing, Project Execution, Engineering, Ceramics, Electrochemistry, Multi-Physic Simulations



Thank You

Contacts

UTILITY

Mike Iannelli – VP Business Development miannelli@utilityglobal.com

Philip Sohn – VP Strategic Partnerships psohn@utilityglobal.com

Vladimir Novak – Chief Commercial Officer vnovak@utilityglobal.com









Economic Clean Hydrogen: Scale-up and First Project Videos

Scale Up within Industrial Locations with Limited Space



https://www.youtube.com/watch?v=2oOuhq1jFTg

First Steel Project in Canada



https://www.youtube.com/watch?v=Gi9G_E3kdQ4

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