

THE FUTURE OF ENERGY - H2 ENERGY GROUP INTRODUCES AFFORDABLE GREEN HYDROGEN

H2 Energy Group is seeking to transform the global energy market with a clean, low-cost Hydrogen solution

AUSTIN, TEXAS, UNITED STATES, February 16, 2022 /EINPresswire.com/ -- The future of Green Hydrogen is here with the introduction of H2 Energy Group's transformational, economic and environmentally and economically sustainable and renewable green Hydrogen technology solution.



Low cost green Hydrogen production

H2 Energy Group, Inc. (<https://h2eg.com/>), based in Austin, Texas, is one of the world's most affordable, sustainable, and renewable Hydrogen producers. The company's unique technology has a competitive production cost with the predominately used steam methane reformed (SMR) Hydrogen but is not made from natural gas, and most importantly, doesn't need 10 kg of water or create 9 kg of CO2 for every kg of Hydrogen produced.

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The secret of change is to focus all of your energy not on fighting the old, but on building the new.”

Dan Millman, Way of the Peaceful Warrior

“Hydrogen is the most attractive solution currently

available to replace fossil fuels for heavy transport and industrial applications,” said Christopher Headrick, Founder, Executive Chairman and Chief Technology Officer, of H2 Energy Group. “Unfortunately, about 95% of hydrogen production today is derived from fossil fuels. We believe that H2 Energy offers the only environmentally-friendly, economically sustainable and renewable source of Hydrogen...and at a low cost. We want to bring our affordable Hydrogen solution to every market in the world.”

Over the past year, Headrick said the Renewable Hydrogen market has become one of the

hottest topics in the energy industry. According to industry analysts, global hydrogen projects are expected to reach \$11 trillion by 2050, with green Hydrogen sales projected near \$2.5 trillion annually, according to a recent report from the Bank of America.

“A multi-trillion world market in Renewable Hydrogen production in less than 30 years is one of the most significant market shifts in human history,” Headrick added. “H2 Energy's mission is to assist in one of the largest energy transitions in the history of mankind.”

Key benefits of H2 Energy's Hydrogen technology include:

Cost/Value

As low as \$2.75 per kg FOB

50-70% less than competitive renewable hydrogen offerings

Competitive with Gray (Steam Methane Reformed) hydrogen cost

Carbon neutral

Small footprint

Convenient Groundbreaking Technology

Scalable and modular design

Proprietary High Yield Fast Pyrolysis process (no combustion)

100% Sustainable

Feedstock – [woody biomass](#)

Can produce Hydrogen anywhere where needed

H2 Energy Group's proprietary technologies use woody biomass in a High Yield Fast Pyrolysis process that produces Hydrogen-rich syngas. (40% H₂, 40% CO, 10% Methane and 10% CO₂). They further process the syngas via Water Gas Shift technology to approximately 82% Hydrogen that is finally purified through a Pressure Swing Adsorption system that takes it to 99.999% purity.

“The current industry standard for the production of hydrogen is Electrolysis, which is grossly inefficient in its use of electricity and water,” Headrick said. “H2 Energy estimates that we can sell our Hydrogen for about half of the current cost of their hydrogen and still generate strong returns.”



Christopher L. Headrick, Founder and Chairman, H2 Energy Group, Inc.

The company plans to initially provide green Hydrogen to the transportation markets including heavy transport, trucking, trains, ships, and eventually air travel.

H2 Energy Group has launched an equity Reg CF (Regulated CrowdFunding) capital raise Castle Placement – H2 Energy Group Landing Page, to spread the word about its affordable, Sustainable, and Renewable Hydrogen among potential investors.

Headrick said proceeds from the Reg CF capital raise will be used to initiate planning and permitting for the company's first production facility, located south of Redding, California.

ABOUT H2 ENERGY GROUP

H2 Energy Group, Inc., based in Austin, Texas, utilizes cutting-edge technology to economically produce Sustainable and Renewable Hydrogen and Electricity from biomass in remote locations without reliance on the power grid. For more information, visit <https://h2eg.com/>

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