

GenH2 Marks Four Years of Advancing Clean Energy by Driving Liquid Hydrogen Innovation

Company Celebrates Milestones: U.S. Department of Energy Collaboration, Mobile Liquid Hydrogen System Launch, Simulation Test Platform Implementation, and More



TITUSVILLE, FL, UNITED STATES, January 7, 2025 /EINPresswire.com/ -- [GenH2](#), a

leader in hydrogen technology infrastructure solutions, is marking four years of driving critical innovation in clean and sustainable liquid hydrogen energy solutions. The company is celebrating significant milestones, including breakthroughs in research and development, the

deployment of a mobile liquefaction system, and the commissioning of the world's most advanced liquid hydrogen testing and demonstration platform, further advancing the company's hydrogen infrastructure technology vision.

“

Since GenH2's launch in late 2020, we have been unwavering in our commitment to advancing hydrogen as a clean energy alternative.”

Greg Gosnell, CEO of GenH2

“Since GenH2's launch in late 2020, we have been unwavering in our commitment to advancing hydrogen as a clean energy alternative,” said Greg Gosnell, CEO of GenH2. “With a deep understanding of market demands,

GenH2 is uniquely positioned to drive the global adoption of hydrogen while ensuring our products and services are designed for lasting impact.”

In 2021, GenH2 established its 60,000-square-foot global headquarters on a 10-acre campus in Titusville, Florida, with support from a financial incentive provided by the North Brevard Economic Development Zone. The Space Coast was a natural fit for the company, given its proximity to NASA and several founding team members' deep connections with the agency. Leveraging decades of expertise in liquefaction, storage, and transfer, GenH2 harnesses NASA technology to drive innovation and accelerate the adoption of hydrogen solutions.

“Having spent 38 years of my career at NASA on the Space Coast, I've seen firsthand the exceptional talent and competitive culture of innovation this area fosters,” said Chief Architect James E. Fesmire, a NASA Hall of Fame Inventor specializing in liquid hydrogen.

Over the past four years, GenH2 has achieved groundbreaking advancements in liquid hydrogen technology, driving innovation and accelerating product development. These efforts have been accompanied by significant milestones in commercialization, including:

- GenH2 Joins U.S. Department of Energy Consortium

In October 2021, the U.S. Department of Energy's (DOE) Hydrogen and Fuel Cell Technologies Office selected GenH2 in collaboration with Shell International Exploration and Production, Inc., McDermott's CB&I Storage Solutions, NASA's Kennedy Space Center, and the University of Houston, to demonstrate the feasibility

of large-scale liquid hydrogen (LH2) storage. This initiative aims to pave the way for a stable and scalable global hydrogen supply chain.

- GenH2 Launches Mobile Liquid Hydrogen System

Launched in December 2022, GenH2's LS20 is a compact, fully integrated mobile liquid hydrogen solution designed to deliver small-scale infrastructure capabilities. With a mission to expand access to liquid hydrogen, the LS20 produces small quantities of liquid hydrogen, enabling researchers and industry professionals to test pilot projects and products more efficiently.

- World's Most Advanced Simulation Test Platform Opens at GenH2 HQ

The GenH2 Simulation Test Platform, the first and most advanced of its kind, is an operational laboratory that produces and utilizes liquid hydrogen (LH2) to gather real physical data on materials and processes used in liquefaction, storage, and transfer of hydrogen. The platform provides GenH2 with invaluable insights, allowing the company to continuously refine and optimize its products to maintain their best-in-class status.

- First Liquid-Hydrogen Fueled UAV Launches at GenH2 HQ

In February 2024, GenH2 showcased its liquid onboard and zero-loss mobile LH2 technology by fueling a six-foot-long unmanned aerial vehicle (UAV) at its Titusville headquarters. The demonstration utilized GenH2's mobile LS20 system to fuel the UAV with liquid hydrogen, highlighting the potential commercial applications of onboard LH2 technology in aviation. Dr. Jong H. Baik, GenH2's Chief Technology Officer and a globally recognized expert in hydrogen



Greg Gosnell GenH2 CEO

liquefaction and mobility stated: "Liquid hydrogen's energy density enables longer flight durations. Some tests have demonstrated LH2-powered flights lasting up to four times longer than those powered by batteries."

- GenH2 Partners with World Class Universities / Deploys Latest GenH2 R&D Test Platforms
GenH2 operates as a cutting-edge testing facility, driving innovation in product development while providing prestigious institutions access to its state-of-the-art research and development platforms, including the Macroflash test instrument and CS500 calorimeter. The company collaborates with renowned universities worldwide, such as the University of Melbourne, Western Australia, and the South Dakota School of Mines & Technology, fostering global advancements in liquid hydrogen technology.

To learn more about GenH2, please visit GenH2.com.

About GenH2

GenH2 is a technology leader in liquid hydrogen infrastructure systems for advanced clean energy. GenH2 solutions allow for safe hydrogen liquefaction, zero-loss storage, and transfer. The company focuses on mass-producing equipment to speed infrastructure buildout and make hydrogen accessible for everyday use around the globe. The technology team includes former NASA researchers and developers with decades of experience researching, engineering, and building hydrogen solutions. Learn more about GenH2 at www.GenH2.com

Melissa Perlman
Bluelvy Communications
+1 561-310-9921

[email us here](#)

Visit us on social media:

[Facebook](#)

[X](#)

[LinkedIn](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/774581561>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.