

## Inventor James Fesmire named GenH2's chief technology officer, known for developments in cryogenics

By Melissa Perlman  
[melissa@blueivy.co](mailto:melissa@blueivy.co)  
Blueivy Communications

TITUSVILLE (Dec. 15, 2021) — GenH2, a leading developer of liquid hydrogen infrastructure solutions, formally announced today the appointment of renowned NASA veteran and company cofounder James Fesmire, as chief architect and chief technology officer.

In his role, Fesmire will shape GenH2's technology vision and drive product evolution and expansion. Known for his world-class expertise and trailblazing contributions to developing cryogenics, materials, and energy technologies, Fesmire specializes in all aspects of liquid hydrogen storage and transfer.

"Hydrogen is the heart of the promise of green energy," said Fesmire. Energy-dense liquefied hydrogen has the potential to store vast amounts of renewable energy and serve as an energy carrier for end-use applications on the land, sea, air, and space. "As the technology continues to be driven by goals for a sustainable world, I look forward to my role as chief architect and chief technology officer for the infrastructure build-out in the emerging hydrogen economy. With overlapping goals and targets across companies, institutions, governments, and countries, we ultimately want to help make energy and transportation work better for all people."

Fesmire has more than 38 years' experience in cryogenics and low-temperature problem-solving, specializing in all aspects of liquid hydrogen storage

and transfer. His pioneering cryogenic systems design work helped to advance the space shuttle, the International Space Station, future moon and Mars exploration, experimental rocket programs, commercial space launch vehicles and facilities, superconducting power, hydrogen storage and transfer, and many commercial and industrial applications.

As founder and visionary for the one-of-a-kind Cryogenics Test Laboratory at NASA Kennedy Space Center, Fesmire has extensive publications and patents in thermal insulation systems, novel materials, advanced composites, energy storage, heat management, and testing technology.

A recipient of NASA medals for Distinguished Service, Exceptional Technology Achievement, Exceptional Service, Fesmire's work has also been recognized with the Space Technology Mission Directorate's Silver Achievement Medal and the NASA Engineering & Safety Center Director's Award for Engineering Excellence.

Fesmire has further received an R&D 100 award and the Space Technology Hall of Fame medal for aerogel insulation technology, the world's highest thermal performance insulation material. With 20 issued patents and whose work has been published in 200 publications, he is a recent inductee of the NASA Inventors Hall of Fame for developments in cryogenics, materials, and energy technologies.

"We are looking forward to our collective efforts to build the GenH2 team and move the global hydrogen infrastructure forward," said Cody Bateman, founder, and CEO of the company. "His impactful work at NASA is unparalleled and he is well-known as a cryogenics and hydrogen expert, including technical

standards leadership and technology market implementation, making him an international icon in this sector."

Fesmire's industry leadership has included Cryogenic Society of America, former president, International Institute of Refrigeration Commission A1 (cryophysics/cryoengineering), U.S. delegate; Cryogenic Engineering Conference (CEC), board member; ASTM International, committee member and task groups chair; and International Standards Organization, committee member.

Fesmire holds a master's degree in mechanical engineering (materials science) from the University of Central Florida and bachelor's degree in mechanical engineering from Auburn University. Fesmire is also member of the Auburn University chapters of Tau Beta Pi, Pi Tau Sigma, and Phi Kappa Phi.

### ● About GenH2

GenH2 is an industry leader in liquid hydrogen infrastructure solutions. The Titusville-headquartered technology company is focused on the mass production of infrastructure equipment necessary for the transition to a clean energy economy. GenH2 technology will allow safe onsite production, storage, and transfer of liquid hydrogen, making the product accessible for everyday use.

GenH2's innovative approaches include filling station solutions and servicing systems to make clean hydrogen readily available on-site for a host of end-use applications; the company has plans to deliver its product to hundreds of locations across the country in the coming years.

Visit [www.DiscoverHydrogen.com](http://www.DiscoverHydrogen.com) to learn more about GenH2.



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