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## **Noble Gas Systems Achieves Important Technical Milestone; Completes Validation Tests of 350 Bar Hydrogen Conformable Vessel**

**NOVI, Mich., May 16, 2023** – Noble Gas Systems Inc. (“Noble Gas”), a developer and manufacturer of innovative, conformable high-pressure hydrogen gas storage tanks, announced its conformable tank became the first-of-its-kind to pass a prescribed set of standard performance tests at 350 bar. This technical milestone proves that the company’s conformable tank technology is a viable solution for automotive, defense, aviation and bulk storage industries.

The performance tests, conducted by certified third-party laboratories, validated eight hydrogen tank criteria from the ANSI/CSA HGV2:2021 standard, including burst, permeation, ambient cycle, extreme temperature cycle, hydrogen cycling, accelerated stress rupture, bonfire, and penetration.

“This milestone brings us one step closer to offering our high-pressure, lightweight and conformable hydrogen storage system to the market,” said Chris Kondogiani, CEO, Noble Gas Systems. “Many in our industry have questioned whether this type of tank could be feasible. Being the first conformable system to pass these rigorous performance tests validates our product as a valuable offering for a wide range of applications and demonstrates our technical leadership in this emerging field.”

The Noble Gas high-pressure, lightweight storage and delivery system can accommodate the most common compressed gases, including hydrogen, natural gas, air, oxygen, and nitrogen. The conformable tank is comprised of a polymer liner, woven reinforcement and protective outer shell. Safer than other options, the construction of the Noble Gas 350-bar tank eliminates the opportunity for a catastrophic, instantaneous release of high-pressure gas.

The gas storage system can be fabricated in a variety of shapes and sizes to be easily integrated into unique and existing product configurations. In addition to the transportation industry, it has applications in defense, aviation, maritime and gas transport industries. In addition to the 350 bar tanks, Noble Gas is developing 500- and 700-bar tanks.

Earlier this year, Noble Gas announced it was awarded a U.S. National Science Foundation (NSF) Phase II Small Business Innovation Research grant of \$1 million to support the commercialization of Noble Gas’ 350 bar (5,000 psi) hydrogen storage systems. In 2022, the company also received funding from AP Ventures, a significant investor in breakthrough hydrogen technologies, to further develop their tank technology.

### **About Noble Gas Systems:**

Founded in 2017 and based in Novi, Michigan, Noble Gas works to solve the challenge of gaseous hydrogen storage, expanding the opportunity for zero-emissions solutions in various transportation and stationary applications. As a global leader in conformable pressure vessel technology, Noble Gas has developed a tank that is lightweight, safe and can be conveniently packaged into tight spaces and

continues to identify and develop a range of storage systems for hydrogen gas. For more information, visit [noble-gas-systems.com](http://noble-gas-systems.com).

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