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Noble Gas Systems' Conformable High-Pressure Hydrogen Tank Named in the 2021 Automotive News PACEpilot Innovations to Watch

NOVI, Mich., Oct. 4, 2021 – Global demand for hydrogen fuel cell and compressed natural gas (CNG) vehicles continues to grow. However, large-scale adoption of these alternative fuel technologies requires safe, efficient, high-pressure gas storage. Noble Gas Systems (Noble Gas) addressed this challenge with a safe, conformable, high-pressure hydrogen tank that was named a 2021 *Automotive News* PACEpilot Innovations to Watch.

“We are thrilled to be one of the recognized companies with solutions that aim to advance automotive and commercial vehicles,” said Chris Kondogiani, CEO, Noble Gas Systems. “Many mobility sectors are investing heavily in fuel cell technology as a solution to meet low- and zero-emission government regulations, but current compressed gas storage systems are big, heavy, and inefficient. That’s where our conformable high-pressure hydrogen tank comes in, by not only addressing the storage challenge, but also efficiently and safely storing compressed hydrogen or CNG fuel onboard a vehicle without impacting passenger or cargo space.”

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. It features a tank comprised of a polymer liner, woven reinforcement and protective outer shell. A safer alternative to other options, the system currently meets burst and hydrogen permeation requirements for 350-bar working pressures and has a leak-before-burst failure mode to eliminate 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, marine and industrial gas industries.

The Automotive News PACEpilot program, a subset of the publication’s annual PACE Awards, recognizes mobility-advancing innovations that have reached a working pilot demonstration phase but are not yet commercialized with a contracted sale.

Noble Gas Systems:

Noble Gas Systems was founded in 2017. The innovative company, based in Novi, Michigan, is focused on developing a safe, lightweight compressed gas storage system.

For more information visit noblegasystems.com.

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