

# Company Fact Sheet

## Noble Gas Systems



### Company Facts

- Founded: 2017
- Headquarters: Novi, Michigan, USA
- Product: Conformable Compressed Gas Storage System
- Industries: Transportation (light and heavy duty), Defense, Industrial Gas, Aviation and Marine

### Company Overview

Noble Gas System was founded in 2017 by automotive and transportation specialists. Their goal was to develop a safe, light-weight compressed gas storage solution that could be integrated into existing vehicle architectures and satisfy growing demand for CNG and hydrogen fuel cell vehicles.

Today, the company has developed and patented a conformable compressed gas storage system that provides more capacity with less mass than traditional Type 4 Carbon Overwrap Pressure Vessel (COPV) and achieves burst and permeation requirements of 350-bar. Noble Gas Systems is continuing development and expects to be certified to the transportation industry's 700-bar standard by 2022.

### Timeline

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| <b>2017</b> | Company was founded<br>Received initial investment funding from Third Shore Group<br>Granted first storage system patent   |
| <b>2018</b> | Opened R&D center in Novi, Michigan<br>Developed first concept design, component tests, and simulation environment   |
| <b>2019</b> | Produced & delivered first full-scale tanks<br>Achieved successful hydrogen permeation tests at third-party test facility  |
| <b>2020</b> | Demonstrated burst performance supporting 350 bar working pressure<br>Delivered first 250 bar and 350 bar hydrogen tanks for test vehicle integration<br>Completed first demonstration vehicle – retrofitting a Polaris Ranger EV with a hydrogen fuel cell and 10 kWh / 350 bar Noble Gas Systems fuel tank |
| <b>2021</b> | 350-bar Conformable Compressed Gas Storage System Certified (expected)   |