

HYLIUM INDUSTRIES, INC.

POWERING FUTURE MOBILITY ®



About Us

• HYLIUM INDUSTRIES, INC. was established in 2014 as a Korea Institute of Science and Technology's (KIST) venture company. Since then we have been developing the nation's first cryogenic liquid hydrogen manufacturing and storage technologies with R&D support from the Korean Government.





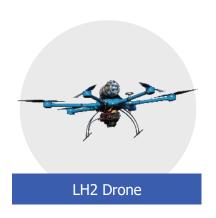
HYLIUM INDUSTRIES, INC. is the first independent developer of Liquid Hydrogen production / fueling / transportation / safety technologies in Korea













Traction



26 registered patents
29 patents pending,
Russell B. Scott Memorial Award
for Liquefaction Technology, ASME
Certifications



Completed Series A investment round with a total of \$13M in investments



A network of 40+ customers and partnerships with Hyundai, Hyosung, SK Gas, Posco, Alakai Technologies, and etc.

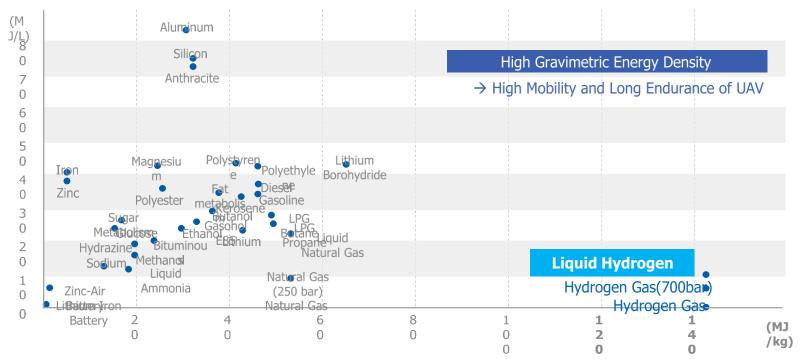


2020 revenue of \$500K and 2021 expected revenue of \$2.5M



Why Liquid Hydrogen?

Selected Energy Densities



Hylium Industries, Inc. solves the safety and inefficiency issues related to high pressure hydrogen gas storage by using Liquid Hydrogen, which has the highest energy density per weight.

Liquid Hydrogen stored / transported at a lowpressure of less than 3 Bar has a very high safety level

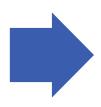
Liquid Hydrogen comprises less than **1/800 of Hydrogen Gas volume** resulting in **higher storage efficiency**

Usage of Liquid Hydrogen results in **storage and transportation cost savings**



Hydrogen Imports

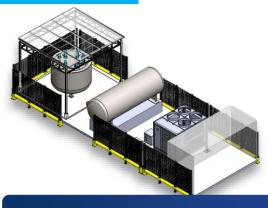




Hydrogen Liquefaction



Liquefier capacity: 10kg/day



Liquefier capacity: 100kg/day



Storage and distribution of hydrogen across the country



Safe and efficient solution for storage and transportation of Hydrogen — LH2 Storage Tanks





Can be utilized in









Hydrogen Liquefaction Plant



Hydrogen Imports



All-in-one solution for hydrogen transportation



LH2 Trailer (34,000 L)



LH2



LH2











The mHRS will provide



On-demand H2 refueling solution



Support for the growing infrastructure



Specifications

- Carries up to **7 500 L** of Liquid Hydrogen on a 5-ton truck
- **800 bar** Liquid Hydrogen Pump
- Hydrogen fueling for 100 vehicles a day at 700 bar with 99.995% high-purity Hydrogen

Benefits

- Fast refueling
- Excellency in terms of **safety** and **storage efficiency**
- Reduced operating and transportation costs
- Easy expansion of a liquid hydrogen charging station compared to a gas hydrogen charging station
 - Low CAPEX & OPEX



















Hylium Industries' **HyliumX** is a hydrogen fuel cell powered drone operating on liquefied hydrogen.

With a power pack that combines ultra-light liquefied hydrogen fuel tank an PEM fuel cell the HyliumX

has a **flight endurance of over 4 hours.**



- Long endurance time
- Easy to refuel
- Applicable to various industrial and/or professional uses
- Long and wide range of activities due to extended endurance time
- Wide variety of accessories, more than 200 devices available

Potential Uses:



Surveillance & Mapping



Delivery & Logistics



Precision Agriculture



Inspection & Maintenance





Refueling and Transportation Infrastructure Proposal

2 Import and storage of hydrogen



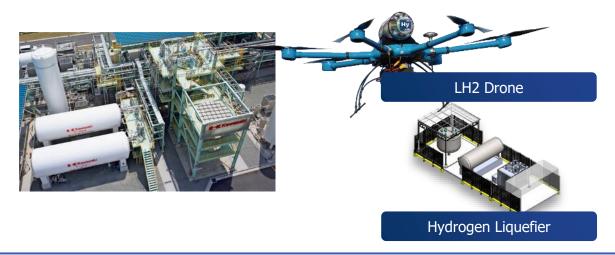
LH2 Bulk Storage Tank (2,500 – 16,000 L)

*in development





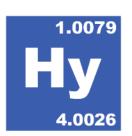






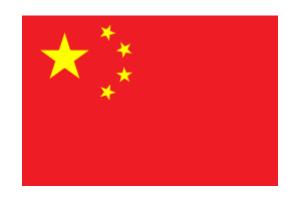






"Hylium is also very open to global investors for the series-B fundraising planned next year"





HYLIUM INDUSTRIES, INC.



Hydrogen Liquefaction



Hydrogen Storage



Hydrogen Transportation



Market and Infrastructure Development



Customer Management



Mobile Hydrogen Refueling



LH2 Drone







Mobile Hydrogen Refueling Station

Hydrogen Refueling Station



LH2 Mobility

LH2 Drone

Drone Power Pack



LH2 Tank

LH2 Storage Tank

LH2 Fuel Tank

LH2 Bulk Tank

LH2 Trailer Storage



Hydrogen Liquefaction

Hydrogen Liquefier



Hydrogen Safety

Hydrogen Leak Detection Paste & Tape





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