

LIGHTWEIGHT HIGH-PRESSURE SYSTEMS FOR HYDROGEN DISTRIBUTION



**MAXIMUM EFFICIENCY
THROUGH
MAXIMUM PAYLOAD**

HYDROGEN — THE 21ST CENTURY FUEL

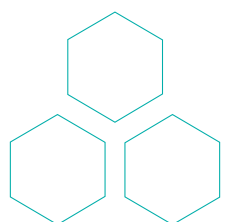
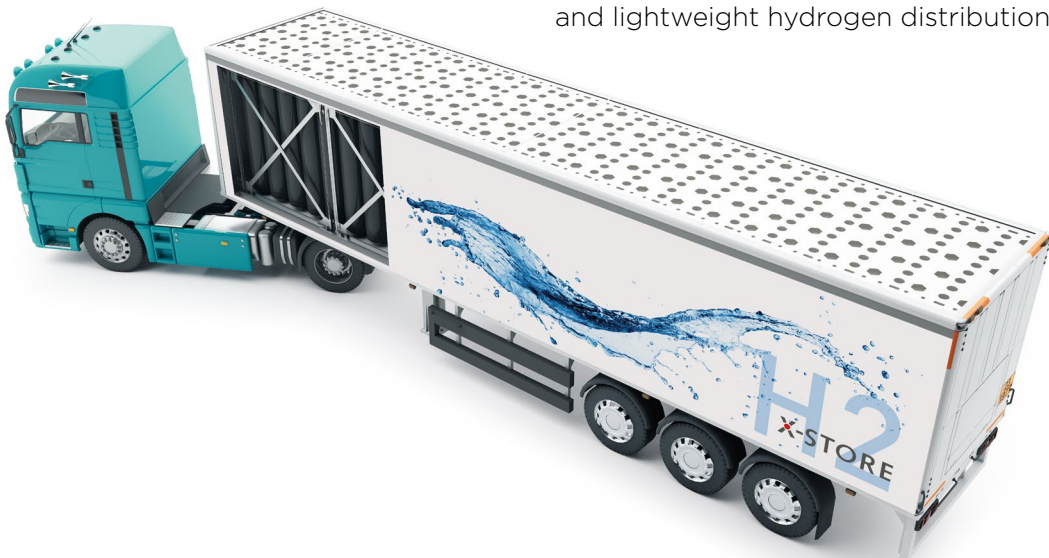
Hydrogen is a clean and safe energy carrier that can be used as fuel for power in a wide range of applications, and can be easily stored on a large scale. Compressed hydrogen gas stored in lightweight composite cylinders, enables increased payload and large-scale storage and transportation.

HEXAGON LEADS THE WAY

Hexagon Composites has been pioneering filament-wound and composite technologies for more than half a century. That level of knowledge and experience makes Hexagon the leading supplier of innovative composite pressure vessel technology that is driving energy transformation and affordable fuels for environmental sustainability.

YOUR RELIABLE PARTNER

Over the last 20 years, we have been adapting our leading and proven Type 4 composite pressure tank technology for a wide range of mobility and storage applications in the hydrogen industry. As supplier to all major gas distributors, such as Linde, Air Liquide, Air Products and others, we are your reliable partner when it comes to efficient, safe and lightweight hydrogen distribution systems.



OUR VALUE PROPOSITION

Strong heritage

- Global market leader in composite lightweight tanks
- World's largest and most automated Type 4 manufacturing facilities
- 60 years of tank production and gas storage experience

Proven Performance

- More than 1.400 transport modules for hydrogen and CNG in operation worldwide
- Pioneer for introduction of 300 bar technology in industrial gas segment with German Westfalen AG

Lightweight & efficient

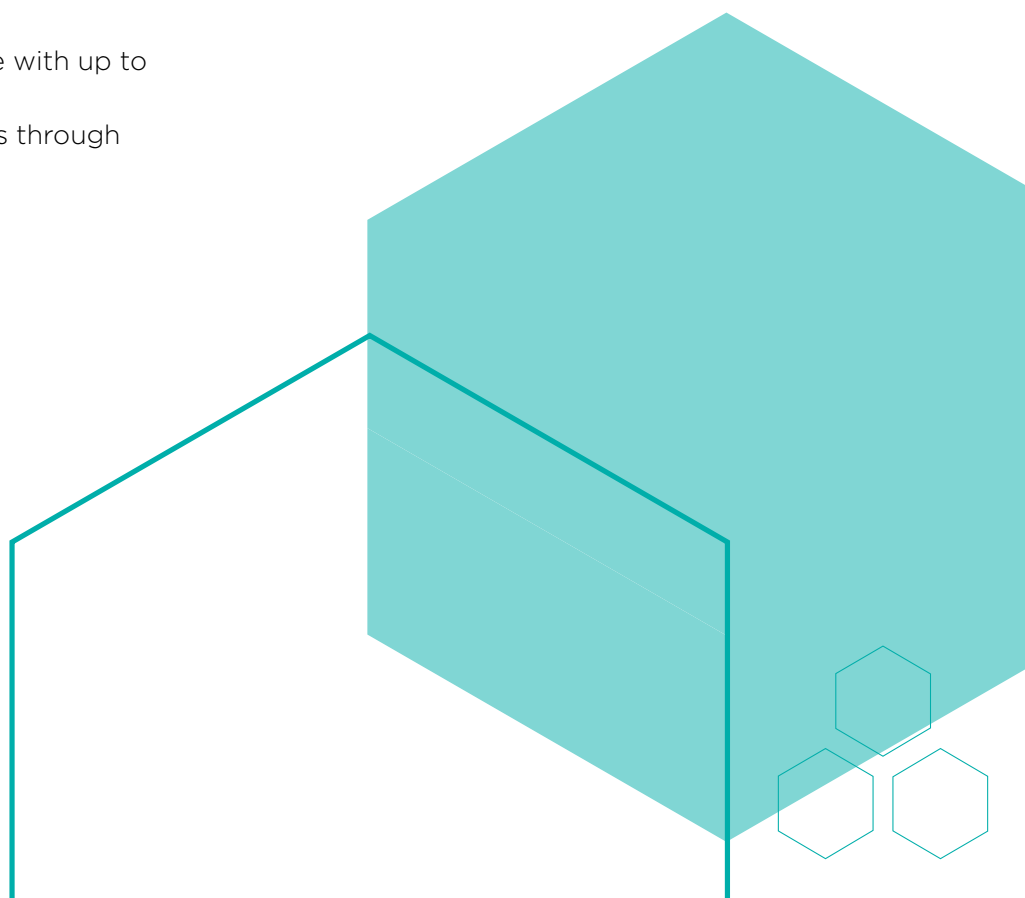
- Largest transport capacity worldwide with up to 1.1 tons of hydrogen
- Considerable operational cost savings through weight reduction
- Approximately 75% lighter than steel

Modular & flexible

- Flexible sizes ranging from 10 ft up to 53 ft
- Product portfolio includes standard modules for industrial clients as well as mobile refueling systems with cascade technology for refueling stations
- Adaptation to local conditions and customer requirements possible
- Conventional ISO-standard chassis enables easy maintenance

Long life time

- Corrosion and fatigue-resistant
- High cycle performance

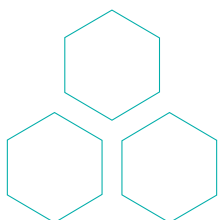


“By introducing sustainable lightweight composite solutions to our transportation fleet, we continue to meet stringent environmental and safety standards and improve our own operational practices.”

Thomas Hollad, Bulk Transport Manager Northern Continent at Air Products

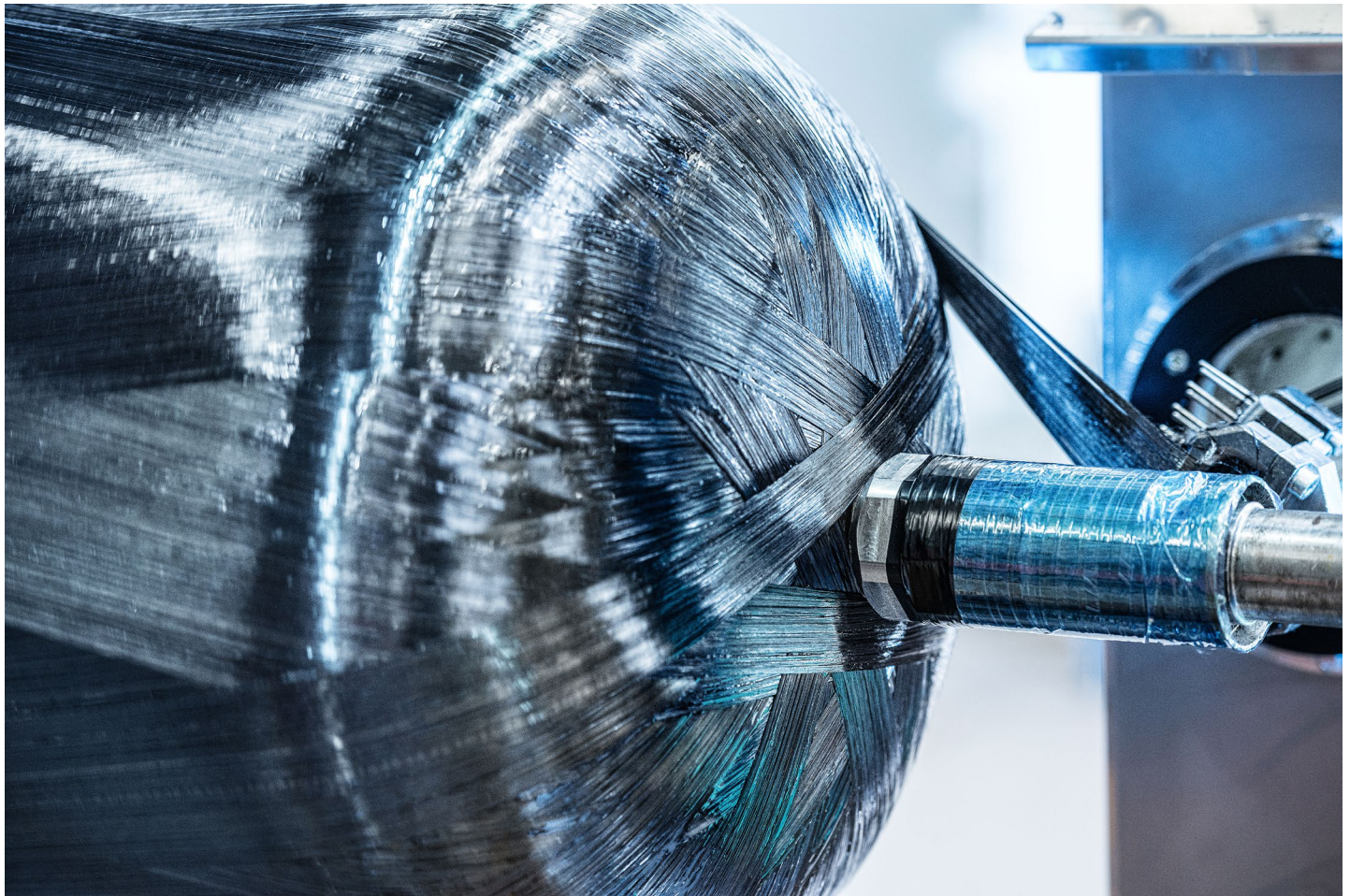


300 bar gas transport module. (photo: Air Products)

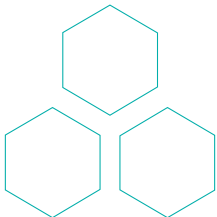




Our X-STORE® modules are available as containerized or trailer solutions. (photo: 45 ft ISO container for hydrogen from Air Liquide)



Hexagon's high-pressure cylinders for hydrogen distribution are available in the pressure levels of 250, 300 and 500 bar.





HEXAGON

Hexagon delivers safe and innovative solutions for a cleaner energy future. We are adapting our leading composite pressure vessel technology for a wide range of mobility and storage applications. The energy transition towards a low-carbon society is opening up exciting growth opportunities and Hexagon is ready to help customers position their products for success.

CONTACT US

Hexagon Purus

Otto-Hahn-Strasse 5
34123 Kassel, Germany
Phone: +49 561 58549 0

5150 NW 40th Street
Lincoln, Nebraska 68524, USA
Phone: +1 402 470 5000

contact.purus@hexagongroup.com
www.hexagongroup.com

DRIVING
ENERGY
TRANSFORMATION

