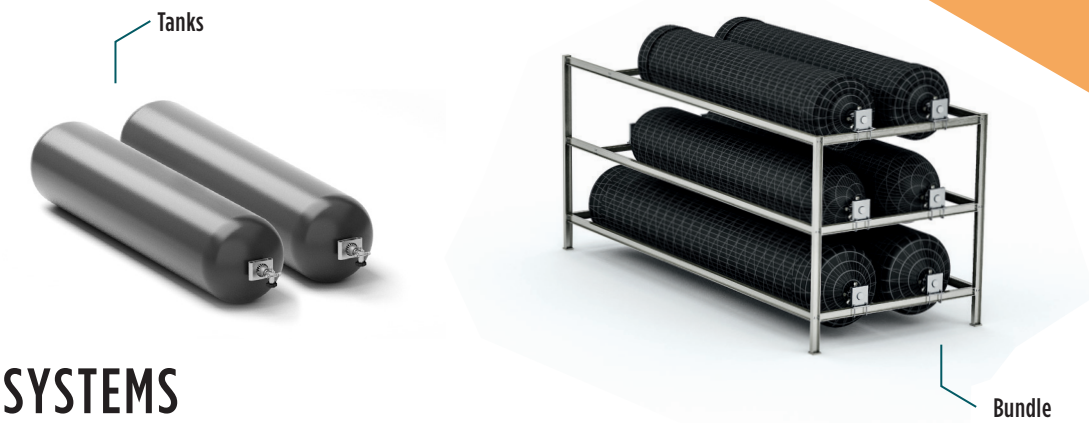
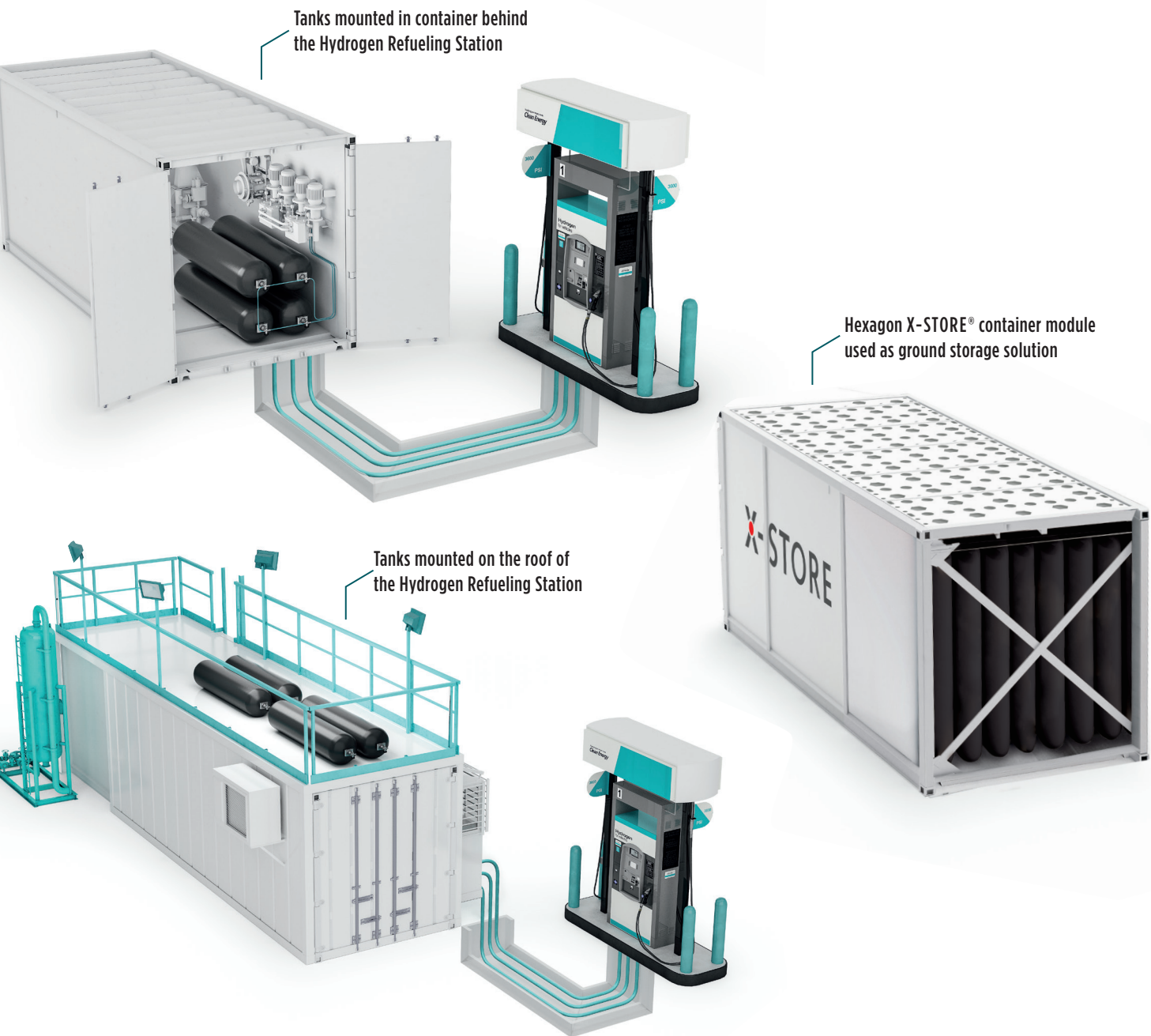


# MARKET OFFERING FOR GROUND STORAGE SOLUTIONS



## SYSTEMS



Hexagon Composites 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.

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DRIVING  
ENERGY  
TRANSFORMATION



# LIGHTWEIGHT HYDROGEN STORAGE SOLUTIONS FOR STATIONARY APPLICATIONS





LIGHTWEIGHT  
SAFE  
EFFICIENT

## HYDROGEN — THE 21<sup>ST</sup> CENTURY FUEL

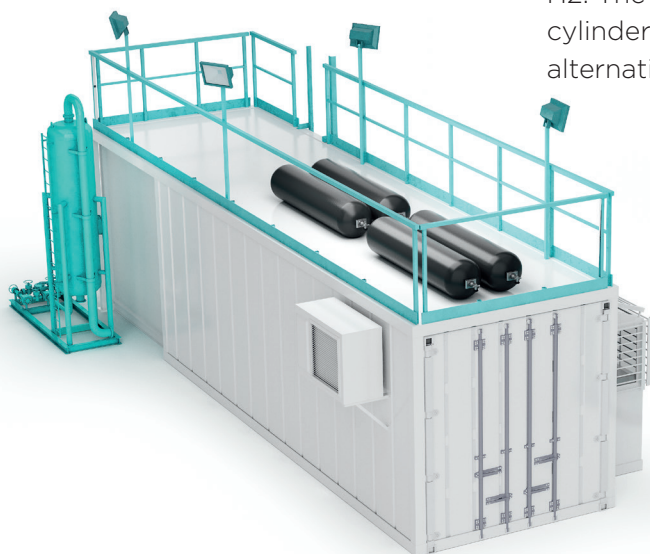
Hydrogen is a clean and safe energy carrier that can be used as fuel for power in a wide range of applications, and can be easily stored on a large scale. It can be produced locally close to market and does not require long distance distribution. Compressed hydrogen gas stored in lightweight composite 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 providing affordable fuels for environmental sustainability.

## YOUR RELIABLE PARTNER

Over the last 15 years, we have been adapting our leading and proven Type 4 composite pressure tank technology for a wide range of on-board, ground storage, and distribution applications in the hydrogen industry. Since the introduction of fuel cell vehicles is driving the demand for hydrogen refueling stations (HRS), we have been expanding our portfolio by offering innovative ground storage solutions for H<sub>2</sub>. The fatigue-resistant cycling properties of our composite pressure cylinders make them more suitable for storing hydrogen than metal alternatives.



## OUR VALUE PROPOSITION

### Strong heritage

- Hexagon global market leader in composite lightweight tanks
- World's largest and most automated Type 4 manufacturing facility
- 50 years of tank production and gas storage experience
- Over 0.5 million high pressure tanks delivered to the market

### Proven performance

- More than 10 years in operation and over 220 cylinders in service at hydrogen refueling stations with no operation issues reported

### Lightweight

- More easy to handle
- Flexible installation (floor, wall, roof)
- Do not need strong foundation

### Compact solution

- Offering complete storage systems
- Limited footprint

### Extendable and modular

- For future upgrades of the station

### Long life time

- No corrosion
- Simple maintenance
- High cycle performance, fatigue-resistant

## REFERENCE PROJECT

Hexagon developed and delivered a high-pressure hydrogen ground storage solution for the first Dutch full-sized hydrogen refueling station in The Hague, Netherlands, operated by Resato International BV. The storage bundle is equipped with four units of 500 bar hydrogen high-pressure tanks made of full carbon.



Hydrogen storage bundle developed for Resato (photo: Hexagon)

**“The deployment of the large hydrogen refueling station in The Hague is a big step taken towards a greener future. We are committed to developing a hydrogen economy towards an emission-free country. A vital advantage of the large hydrogen refueling station is that the filling time as well as the range is equal to petrol or diesel.”**

Francois Hemmerlin,  
Business Development Manager Hydrogen at Resato.