

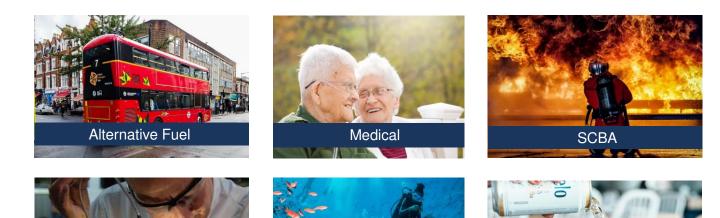
LEADING INNOVATION IN HYDROGEN FUEL STORAGE SOLUTIONS

Luxfer Gas Cylinders: Overview

LUXFER GAS CYLINDERS

Luxfer Gas Cylinders is one of the leading manufacturers of highpressure composite and aluminum cylinders.

An operating company of Luxfer Group (NYSE:LXFR) Luxfer Gas Cylinders has offices and a manufacturing plant in **Nottingham**, **UK** – with regional offices and manufacturing facilities in the **U.S.**, **Canada**, **China and Australia**, with **over 720 employees** **Our Markets**



SCUBA

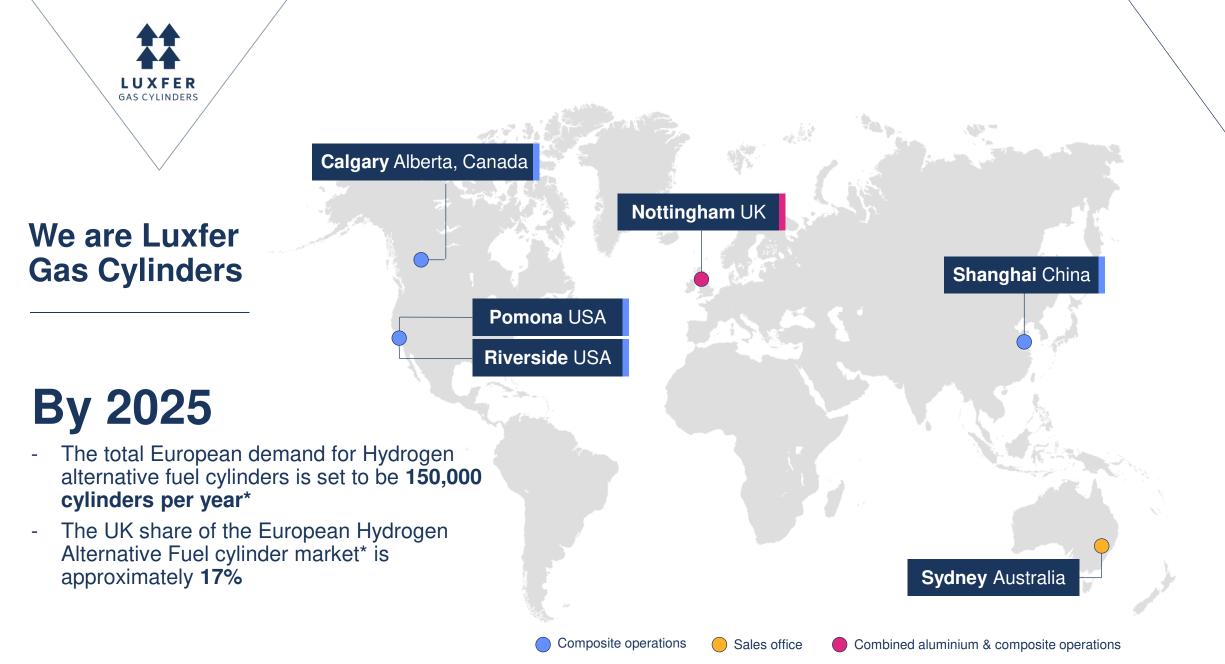


Speciality Gases

UXFER

Luxfer Gas Cylinders produces approximately 1 million cylinders each year globally

CO2





H₂ World's Firsts Projects

At Luxfer, we have been part of a variety of 'World's First' projects for Hydrogen Mobility



World's First H₂ Tractor



UK's First H₂ Train



World's First H₂ Double Decker Bus







World's First Self Sufficient H₂ Boat



Typical Luxfer Supply – Truck and Bus

"Plug and Play"

Hydrogen Fuel

Storage System



On tank solenoid valves

High pressure pipework

SW for communication with fuel cell

Particulate and coalescing filters

SW for communication with filling station



Hydrogen Tanks

TPRD's

Temperature, pressure gauges

Fuelling receptacles

Fuel ECU

Pressure regulator



Framework and brackets

Marine Modular Fuel Storage Solutions

LUXFER GAS CYLINDERS

Simplified scalability

Marine classification approved

Independent or codependent fuel pods

Hydrocat 48 – The world's largest Hydrogen powered boat

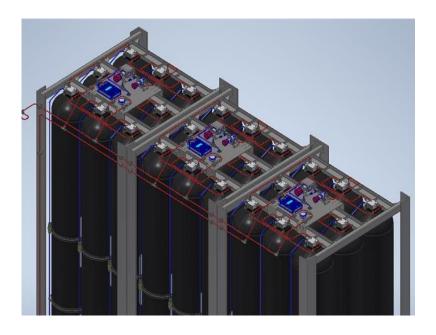


69kg H2 per 9 cylinder bundle

Based on existing solutions

EC79 (R134) System using Luxfer type 3 Marine approved cylinders

350 bar



Approx. space envelope 3.4m x 1.4m x 1.4m

c. 1.5T 'all up' weight



Hydrogen Storage: 1,060kg or 1.339kg

Bulk Gas Transportation

Working Pressure 380 bar

Over 1T Useable Hydrogen Storage

Lowest operational cost solutions

Fast fill

Ultimate flexibility

Number of G-Stor Pro Type-3 cylinders: 160

Weight: Module + gas = 27.5 ton

Control Options:

- Manual operation
- full automatic, remote Smart systems capable of merchandising.



