



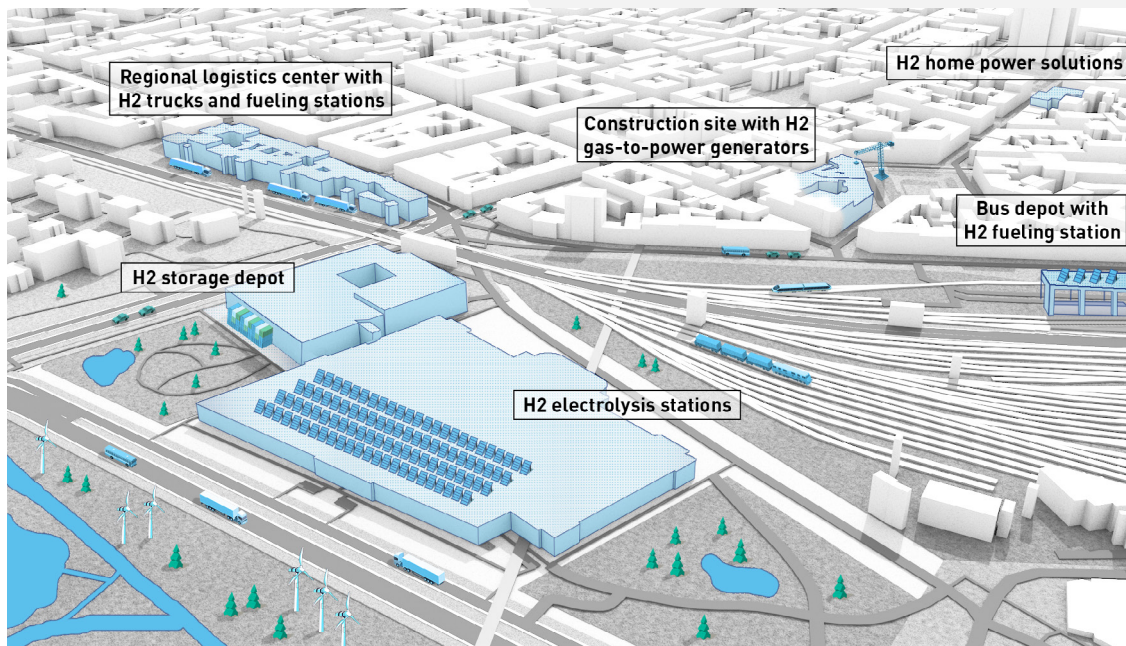
WORTHINGTON
ENTERPRISES

**STORE CLEAN.
MOVE CLEAN.
USE CLEAN.**

WITH **COSMOS**
for compressed H₂ + CNG
Storage + Transport solutions



A COSMOS OF POSSIBILITIES



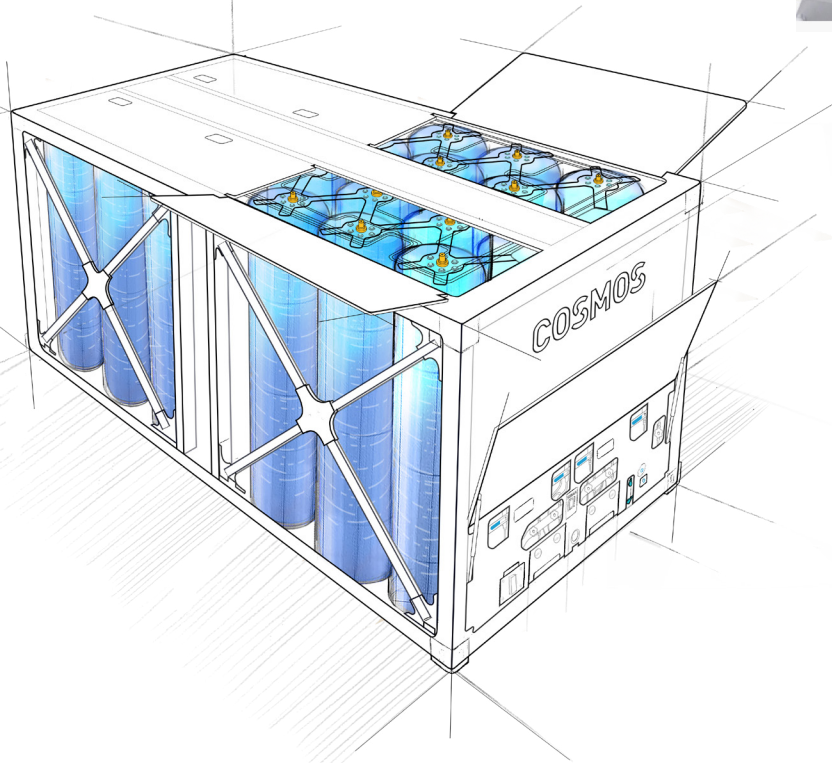
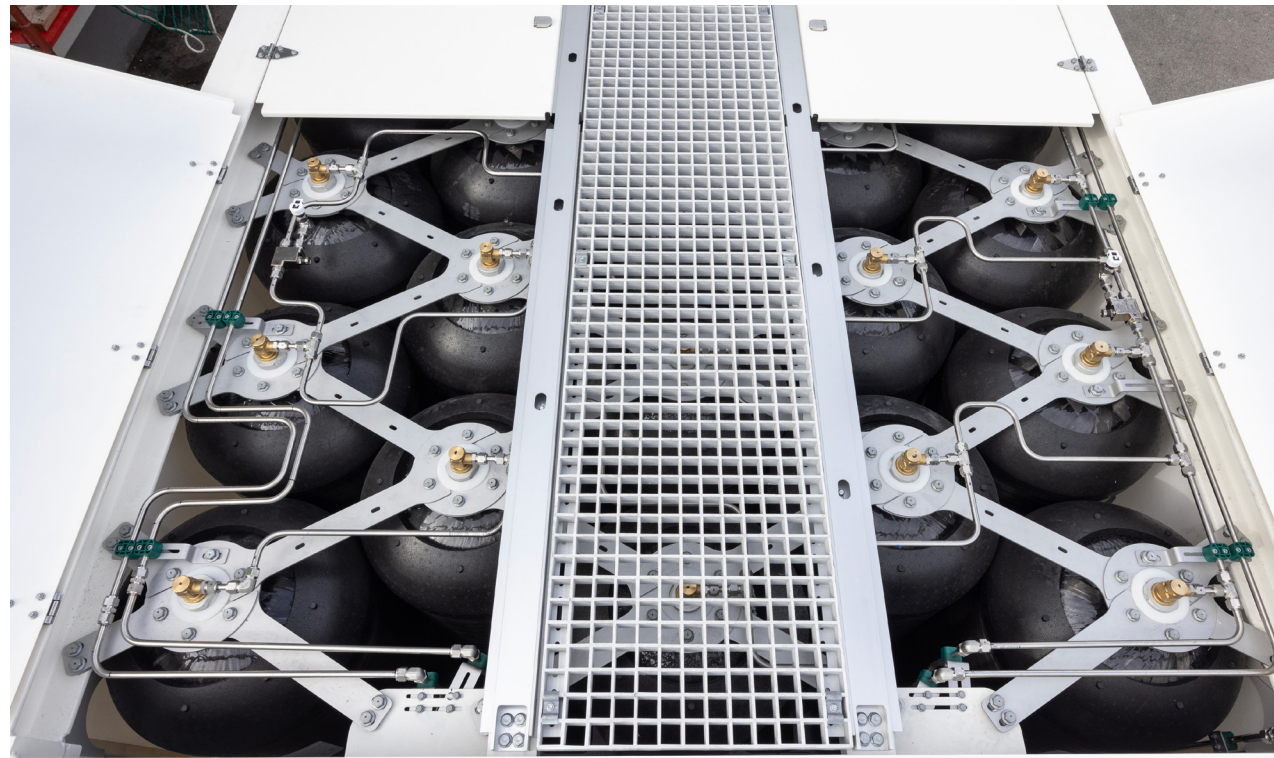
WHEREVER YOU FIND H₂ + CNG,
YOU FIND US, TOO...



COSMOS

**OUR COSMOS CONTAINERS MOVE H₂ +CNG:
FROM GENERATION – TO TRANSPORT – TO USE.**

So if you need to store and transport large amounts of hydrogen or natural gas, and ensure that gas purity remains at the highest levels, our 10-, 20-, 30- and 40-foot containers get the job done.



WHEN YOU PARTNER WITH WORTHINGTON, YOU GET:

- » Broadest design and manufacturing experience with mobile + stationary applications.
- » Single-supplier advantage: from cylinders to gas-street components to fully-installed piping dash – we deliver.
- » Customized configurations that fit your operational footprint.
- » Our COSMOS containers with COMET Type 3 or FORTIS Type 4 cylinders give you the mobile flexibility to refuel your stationary COSMOS bundles.

COSMOS PRODUCT RANGE



ALTERNATIVE
FUELS

FOR COMPRESSED HYDROGEN

	Approval Standard	Container Size [ft]	Dimensions [mm]			Working Pressure [bar]	Amount of cylinders	Capacity [l]	*Hydrogen Gas Capacity [kg] 15 °C	Empty Weight [kg]
			H	W	L					
T4	EN 12245	40	2 591	2 438	12 192	300	113	40 680	872	20 547
	EN 12245	30	2 591	2 438	9 125	300	75	27 000	579	14 225
	EN 12245	20	2 591	2 438	6 058	300	53	19 080	409	10 007
	EN 12245	10	2 591	2 438	2 991	300	25	9 000	193	5 275
T4	EN 17339	40	2 591	2 438	12 192	381	113	40 680	1062	20 547
	EN 17339	30	2 591	2 438	9 125	381	75	27 000	705	14 225
	EN 17339	20	2 591	2 438	6 058	381	53	19 080	498	10 007
	EN 17339	10	2 591	2 438	2 991	381	25	9 000	235	5 275



FAST FILL



DESIGN

FOR COMPRESSED NATURAL GAS

	Approval Standard	Container Size [ft]	Dimensions [mm]			Working Pressure [bar]	Amount of cylinders	Capacity [l]	*Natural Gas Capacity [kg] 15 °C	Empty Weight [kg]
			H	W	L					
T4	EN 12245, ISO 11439	40	2 591	2 438	12 192	250	115	40 680	12 077	17 948
	EN 12245, ISO 11439	30	2 591	2 438	9 125	250	75	27 000	8 016	12 500
	EN 12245, ISO 11439	20	2 591	2 438	6 058	250	53	19 080	5 664	8 788
T3	EN 12245, ISO 11439	20	2 591	2 438	6 058	250	81	21 222	6 300	10 585
	EN 12245, ISO 11439	10	2 591	2 438	2 991	250	32	9 024	2 679	5 244



SAFE



INNOVATIVE

* All values are understood as nominal. Actual gas capacity depends on factors like gas density, ambient temperature, gas temperature, filling speed, filling time, compressor technology, and auxiliary equipment at the filling station.
Subject to change

BENEFITS OF WORKING WITH WORTHINGTON:

» BEST IN CLASS PRODUCTS

Our containers provide a COSMOS of value and possibilities for your H2 and CNG applications. Our engineers design solutions to maximize safety and minimize weight.

» COST EFFICIENCY

Our products lower your total cost of ownership (TCO): Your fuel costs drop along with the CO2 emissions of your logistics.

» PERSONALIZATION

Worthington designers and engineers build the container that suits your requirements.

» DIGITIZATION

Our Digitization department consults you on IoT functions and offers our SIGMA Digital Services Platform. SIGMA monitors gas content, sends push alerts when levels are low, and geolocates containers.

» CUSTOMER SERVICE

For us, service does not end after the sale! With our after-sales maintenance and technical services, we make using your product a pleasure for you.

» FOLLOW-UP SUPPORT + MAINTENANCE

We let you enjoy the convenience of having all retesting and refurbishment in house.



WANT TO SHOWCASE YOUR BRAND?

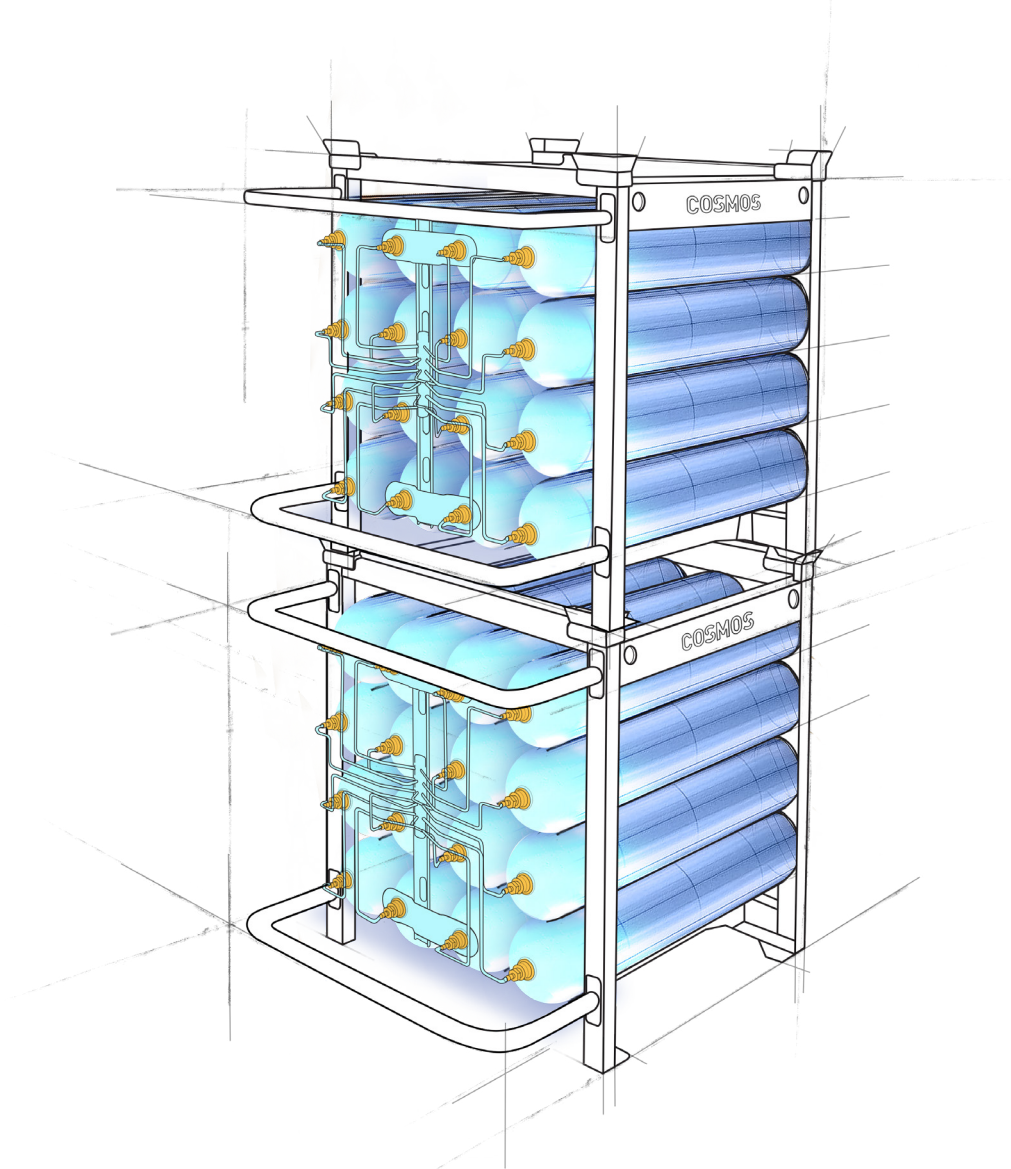
Work with our Marketing Department to differentiate your COSMOS container with your company's customized brand message – or the branding of your end user!



YOU NEED TO STORE H₂, CNG OR INDUSTRIAL GASES?

Our stationary + stackable COSMOS bundles, made with METAL Type 1 steel cylinders provide a COSMOS of possibilities for your H₂, CNG, and Industrial Gas applications. You can rely on our solutions to deliver maximum safety, excellent usability, and minimal weight.

Our COSMOS bundles, for stationary H₂, CNG, and, Industrial Gas applications, grow with the size of your H₂-fueled operations: Because the COSMOS bundle is stackable and comes in working pressures from 200-500 BAR, you can double, triple, or even quadruple the amount of gas you store on the same footprint.



COSMOS

for stationary H₂, CNG, and
Industrial Gas applications

DIGITAL SOLUTIONS

MONITOR, LOCATE, ALERT



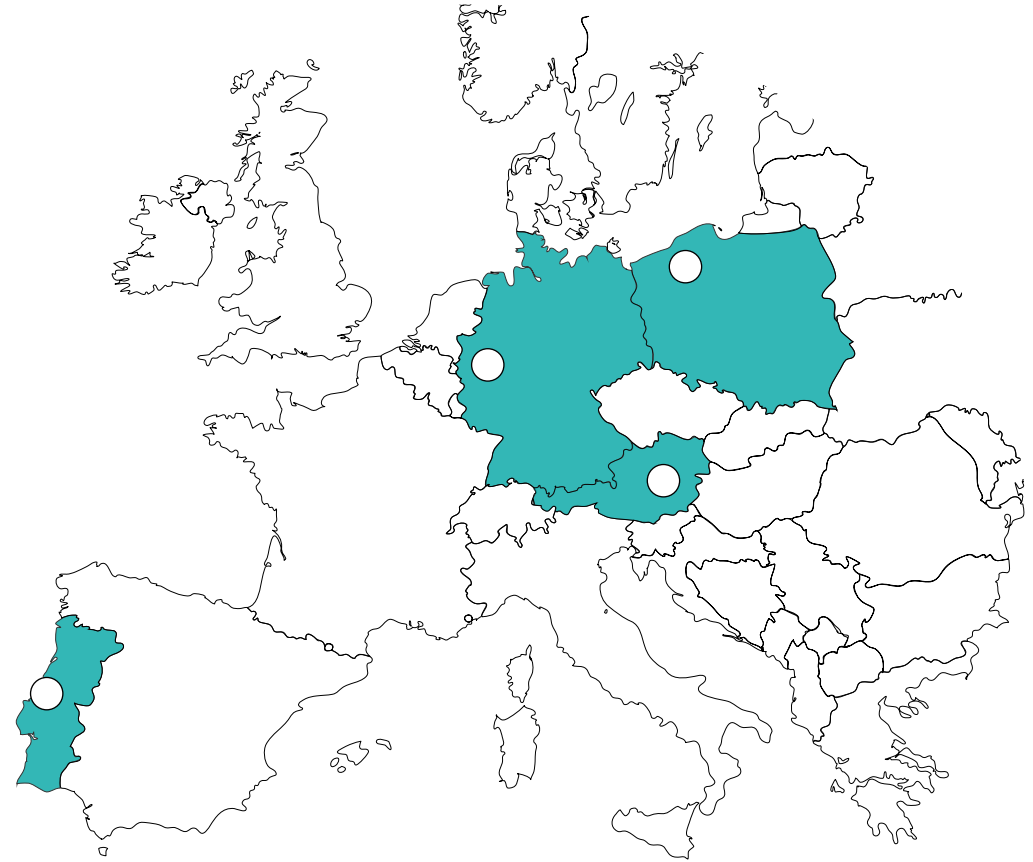
In addition to the SIGMA Digital Services Platform, we are launching several new digital solutions to help our sustainable mobility, industrial gas, building products and LPG customers acquire more insights and efficiencies in their operations and logistics.



WORTHINGTON ENTERPRISES

Worthington Enterprises' European facilities comprise the largest pressure-vessel design and manufacturing network in Europe. Over 1,300 employees work at facilities in Austria, Poland, Portugal, and Germany. With the lightest composite and steel low- and high-pressure cylinders available, Worthington Europe designs and makes solutions for the hydrogen economy + global energy transition, industrial gases, fire rescue + suppression, and much more.

Worthington Enterprises (NYSE: WOR) is a designer and manufacturer of market-leading brands that help enable people to live safer, healthier and more expressive lives. Worthington Enterprises operates with three segments: Building Products, Consumer Products and Sustainable Energy Solutions. Worthington's emphasis on innovation and transformation extends to building products including water systems, heating and cooling solutions, architectural and acoustical grid ceilings and metal framing and accessories, and consumer products in tools, outdoor living and celebrations categories sold under brand names Coleman®, Bernzomatic®, Balloon Time®, Level5 Tools®, Mag Torch®, Well-X-Trol®, General®, Garden-Weasel®, Pactool International® and Hawkeye™. Worthington Enterprises also serves the growing global hydrogen ecosystem through on-board fueling systems and gas containment solutions.



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