

The image shows a modern hydrogen refueling station under a dark blue canopy. The canopy features the Cavendish Hydrogen logo, which consists of a green stylized 'C' followed by the text 'Cavendish Hydrogen' in white and green. Below the canopy, two refueling stations are visible, labeled 'H 35' and 'H 70'. The station walls are white with green accents and feature the Cavendish logo and the words 'Hydrogen' and 'Mobility'. The scene is set against a blue sky with white clouds.

**Cavendish Hydrogen**

H 35

H 70

Cavendish

Hydrogen

Mobility

Hydrogen for Clean Mobility

# Cavendish Hydrogen

**20+ Years of Experience**  
in Developing and Manufacturing  
Hydrogen Fueling Stations

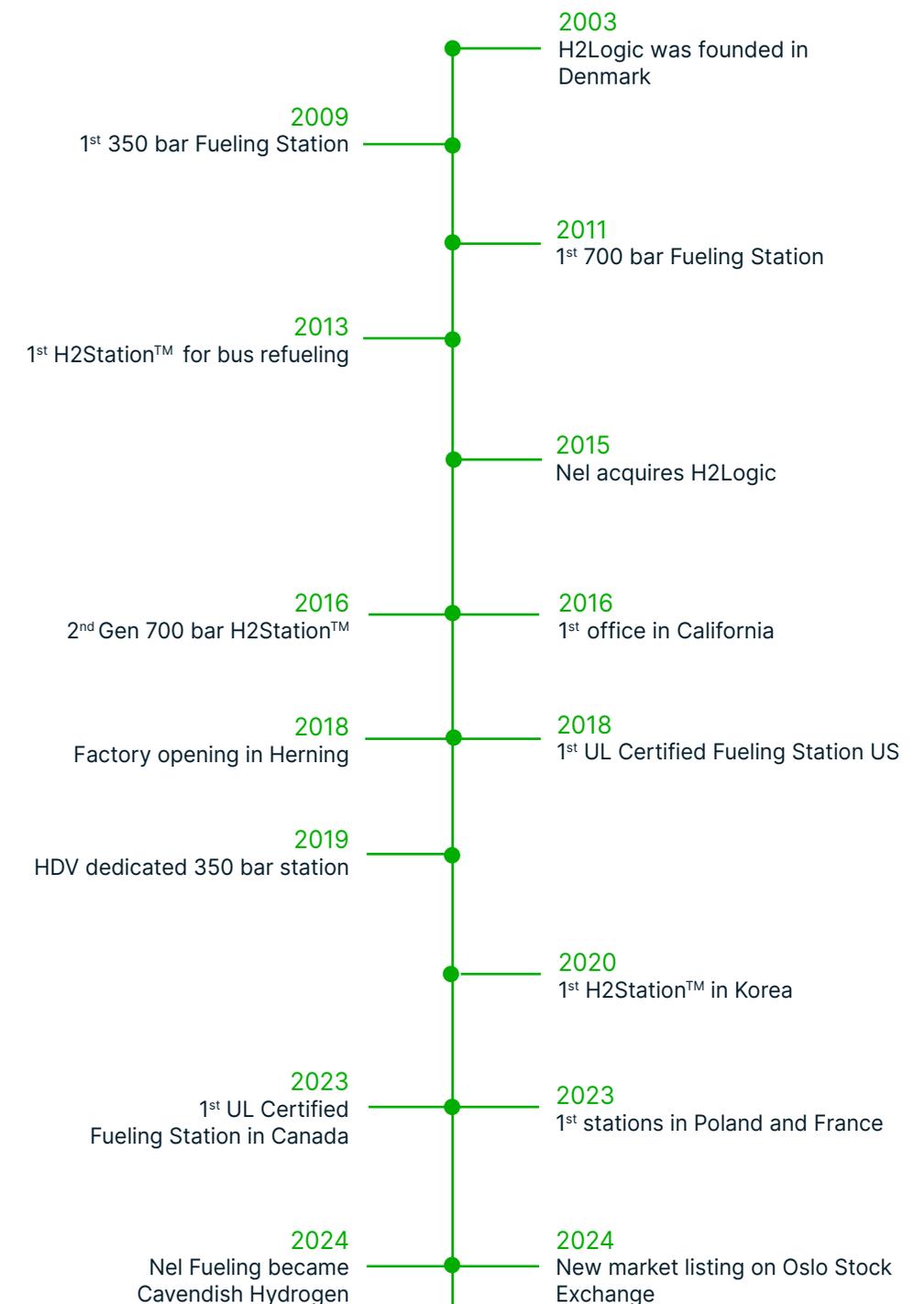
**145+ H2Station™ units**  
Sold Worldwide across 15 countries

**Technology Protected by Patents**  
Current technology and innovations  
are protected by approximately  
75 patents worldwide

**Strong R&D Division**  
All key components are developed  
in-house, such as the compressor  
technology, cooling technology and  
control systems

**All-in-one Facility**  
Well-invested production facilities  
with option to expand capacity if  
required

## Historic Achievements



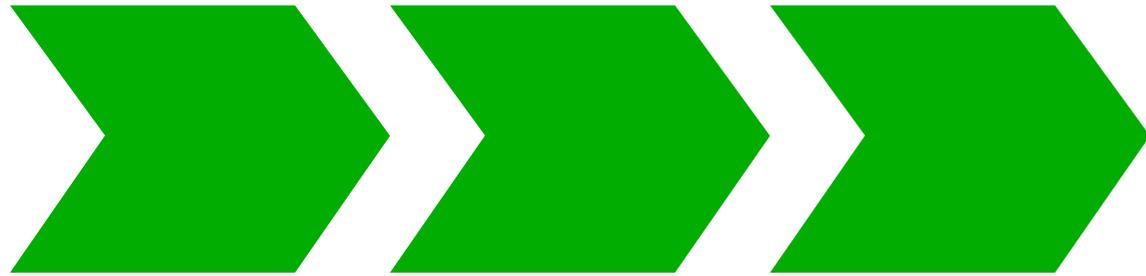
# Our Manufacturing Plant in Herning

One of the world's largest production facilities, with the flexibility to expand capacity as needed.

An all-in-one plant, bringing the entire value chain together under one roof.



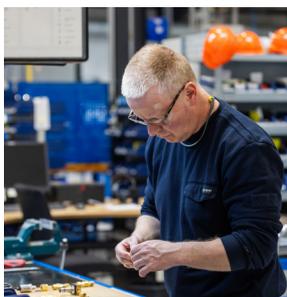
# Control Over Full Value Chain



1

## Product Development

Our product- and technology-development is driven by Cavendish's deep expertise in hydrogen fueling technology. This expertise is based on nearly 20 years of field experience and got supplemented by learnings due to increased products' utilization.



2

## Sales

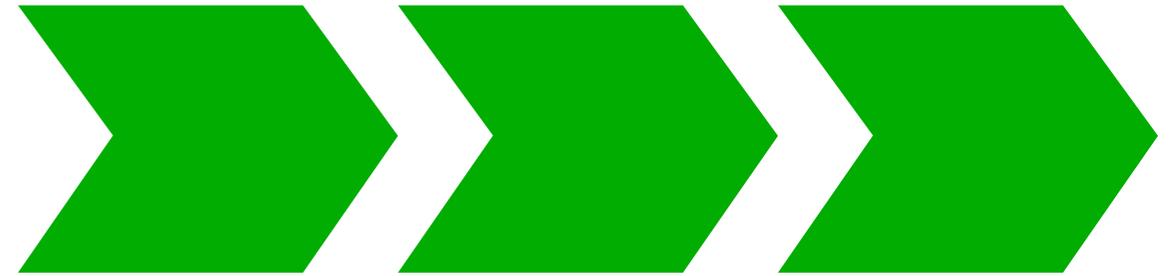
Our sales process is focused on building long-term trusted relationships and expanding our network of key industry customers.



3

## Procurement & Logistics

Our strategic long-term agreements with key suppliers ensure efficient procurement and logistics.



4

## Production

Our lean production is focused on safety, standardization and efficiency to optimize output and quality.



5

## Installation & Commissioning

Our project management, project engineering and site installation teams provide full support throughout installation and commissioning, ensuring a seamless and successful project completion.



6

## Service

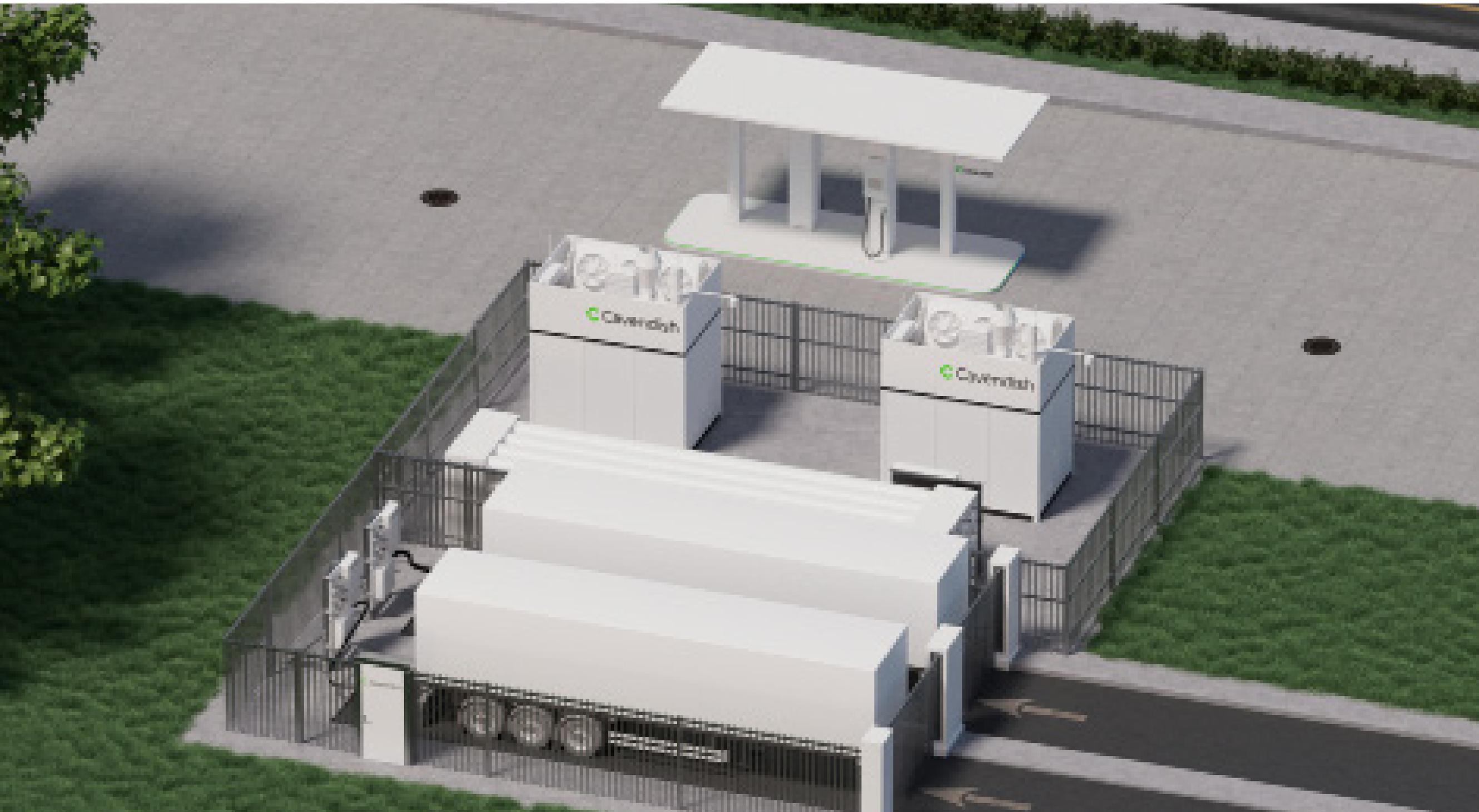
A global 24/7 monitoring system, combined with preventive and proactive maintenance, guarantees optimal system performance.



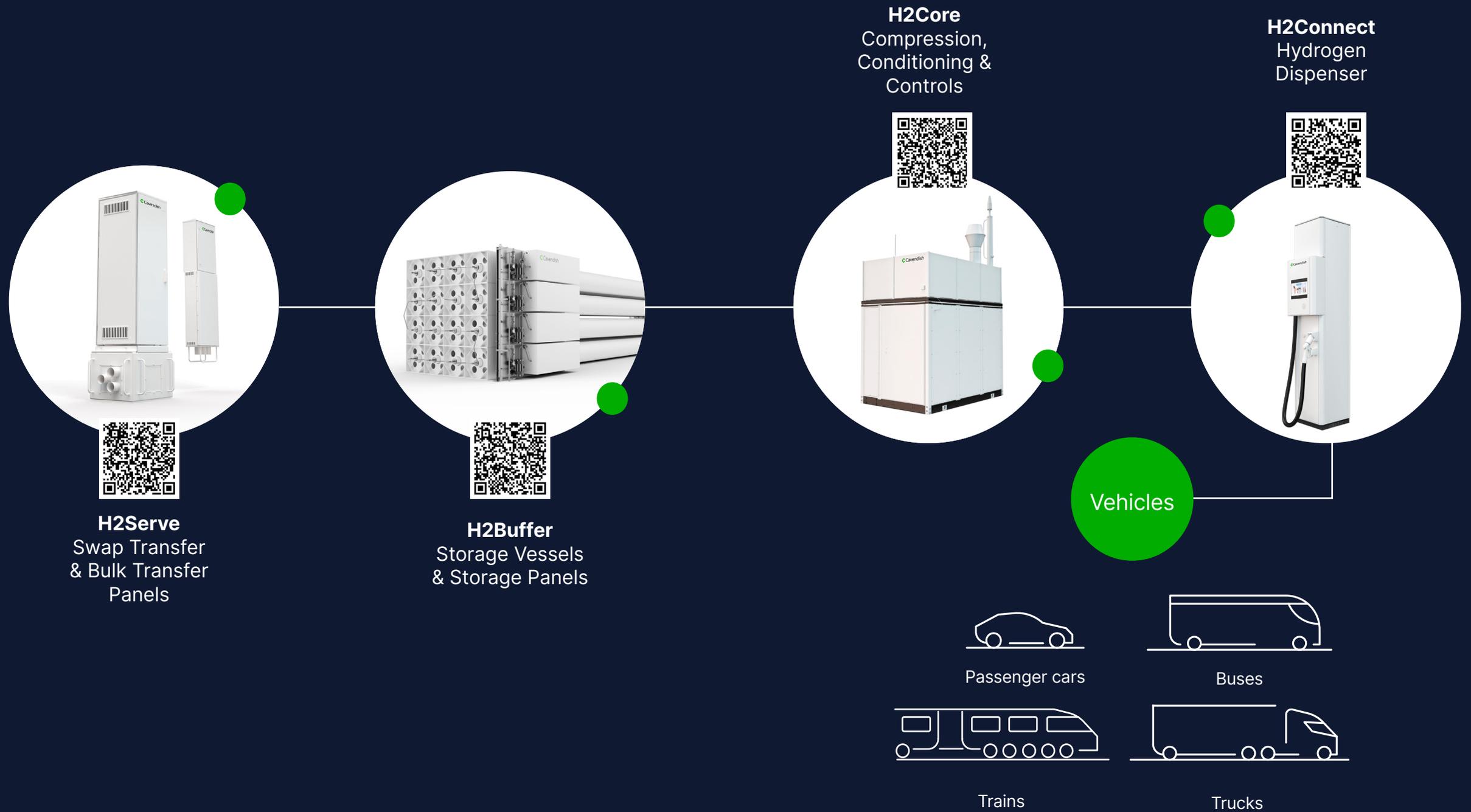
# Safe and Fast Fueling of Hydrogen

Discover the ease of our all-in-one hydrogen fueling station, designed to seamlessly integrate hydrogen supply, compression, and cooling with efficient storage and intuitive dispensing. It's the perfect solution for smooth and dependable hydrogen fueling.

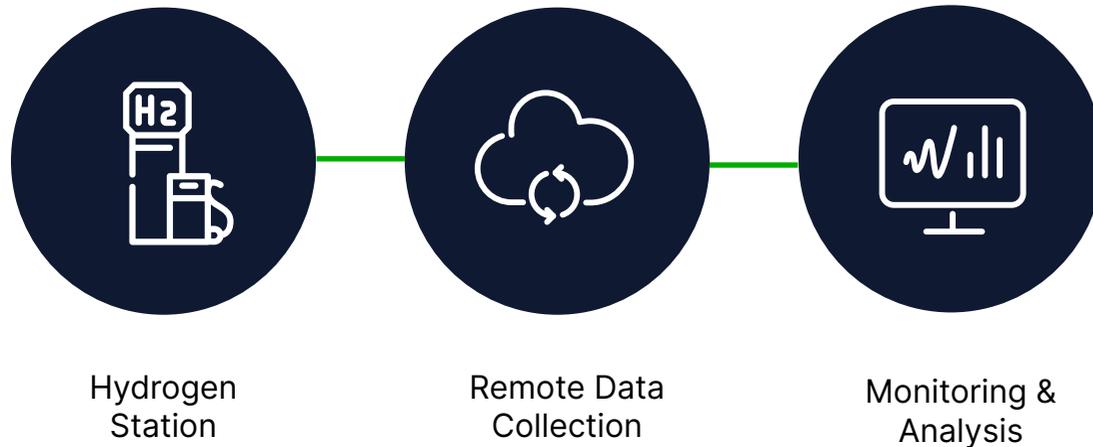
With over 20 years of experience and one of the largest networks of stations worldwide



# Full System Breakdown



# Real-time Station Monitoring & Diagnostics



## 24/7 Remote Monitoring

Instant remote event-solving by hydrogen service technicians

## Dispatching of Service Team

If event is not solved remotely, local service technicians are sent to site

## Harvesting Big Data

Data gathering system with great potential for use of big data analytics optimization in development of the HC-HS concept

# Fully Modularized and Scalable Product Platform Designed for Heavy-Duty Applications

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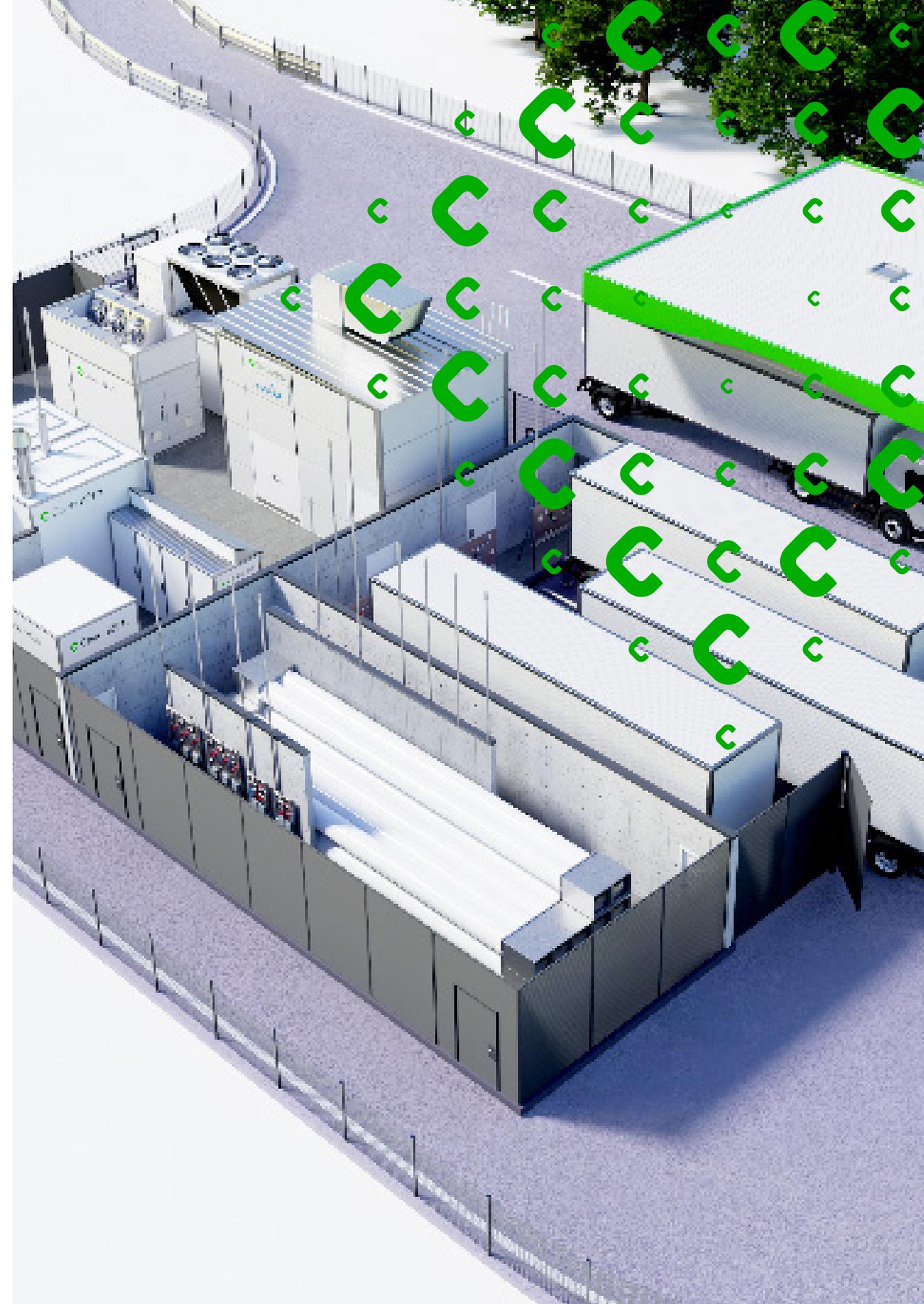
**Fueling Capacity**  
~260kg per hour  
(>3.200km range for  
heavy trucks)

**Filling Time**  
65kg in 10 min  
(~800km in 10 min)

**Standardization**  
Compliant with  
SAE J2601-5 and future  
ISO standards

**Number of Dispensers**  
Up to 6 dispensers on  
site

Note: The figures presented are target specifications of the HC-station concept and not applicable to current product solutions



# Customer Stories

## Multipurpose Station in South Korea

**KOGAS-Tech**

Location: Pyeongtaek, Korea  
Customer: Kogas Tech  
Station Capacity: 600 kg/day  
Operational since 2021



## Bus Station in Netherlands

**Everfuel**  
beyond renewables

Location: Heinenoord, Netherlands  
Customer: Everfuel  
Station Capacity: 1,200 kg/day  
Operational since 2022



## Multipurpose Station in Poland

**SOLBET**  
ROK ZAŁOŻENIA 1951

Location: Solec Kujawski, Poland  
Customer: Solbet  
Station Capacity: 500 kg/day  
Operational since: 2023



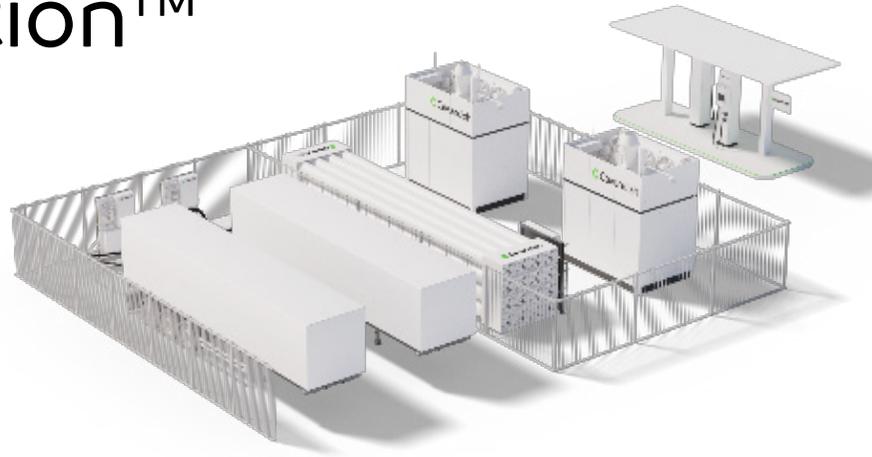
## Bus Station in UK

**TRANSPORT FOR LONDON**

Location: London, UK  
Customer: TfL  
Station Capacity: 1,200 kg/day  
Operational since 2021



# H2Station™



European version of the product with swap supply

## Hydrogen Fueling Station

	HS004 2-stage	HS-ABB LP Duplex	HS-AAA HP Duplex
Region	Europe	Europe	Americas
<b>COMPRESSOR PERFORMANCE AND ENERGY CONSUMPTION</b>			
*Energy consumption for compression of Hydrogen			
Inlet Pressure @20 MPa	50 kg/h & 1.1 kWh/kg	102 kg/h & 1.2 kWh/kg	39.2 kg/h & 1.31 kWh/kg
Inlet Pressure @45 MPa			98.3 kg/h & 0.55 kWh/kg
<b>SAFETY EQUIPMENT</b>			
Key RCS	CE Marked Functional Safety EN61511 ISO 9001 Certified	CE Marked Functional Safety EN61511 ISO 9001 Certified	UL/cUL Certified Functional Safety EN61511 ISO 9001 Certified
Key Safety Equipment	Full safety Instrumented system (SIS) incl. Mechanical safety - shutoff valves Fully autonomous safety software Leak detection software Hydrogen and CO2 gas detectors Smoke and UV detectors		

	HS004 2-stage	HS-ABB LP Duplex	HS-AAA HP Duplex
Region	Europe	Europe	Americas
<b>FUELING INFORMATION</b>			
Ambient temperature	-20 to 40°C		
Storage pressure level	22.5, 45 and 93 MPa	45 MPa	45, 93 MPa
Inlet pressure range	3 - 20* MPa *can be increased by using a pressure regulator	3 - 45 MPa	6 - 50 MPa
Flowmeter / Accuracy	Coriolis mass flow meter /OIML Accuracy Class 2 for EU and CDFA DMS Accuracy Class 5.0 for US		
Light Duty Fueling Protocol(s)	H35-T20 SAE J2601-1 (1.2-6 kg) H70-T40 SAE J2601-1 (2-10 kg)	N/A	H70-T40 SAE J2601-1 (2-10 kg)
Medium and Heavy Duty Fueling Protocol(s)	H35-T20 SAE J2601-1 (6+ kg) CEP E-MAP	H35 Nel Optifill® (6-60 kg) CEP E-MAP	H35 Nel Optifill® (10-100 kg) H70-T40 JPEC S-0003
Fueling Nozzle	Compliance with ISO 17268 and SAE J2600 H35: 35 MPa, Normal Flow H70: 70 MPa, Normal Flow	Compliance with ISO 17268 and SAE J2600 H35: 35 MPa, High Flow	Compliance with ISO 17268 and SAE J2600 H35: 35 MPa, Normal Flow H70: 70 MPa, Normal Flow
Point-of-Sale (POS) interface	IFSF 2.32 and Two-Wire Protocol		
<b>UTILITY REQUIREMENT</b>			
Voltage	400 VAC Three phase + N	400 VAC Three Phase + N	480 VAC Three Phase + N
Current	150 A	225 A	250 A
Power factor	> 0.9	> 0.9	> 0.9
Inlet connection	Hydrogen Connection = 9/16" C&T MP or 13/16" - 16 UNF - C&T MP or 3/4" BSPT-M Pneumatic Connection = 12 mm hose RSI06.2100/RSI06.2101		
<b>DIMENSIONS</b>			
	Length	Width	Height
Station Module	3.3 m / 10.8 ft	2.2 m / 6.6 ft	3.6 m / 9.8 ft
Dispenser	0.5 m / 1.6 ft	0.7 m / 2.3 ft	2.5 m / 8.2 ft
Swap Panel	1.3 m / 4.3 ft	1.2 m / 3.9 ft	2.0 m / 6.6 ft
Storage Vessels	7 - 12.3 m / 23 - 40.3 ft	0.6 - 2.4 m / 2 - 7.9 ft	0.6 - 2.4 m / 2 - 7.9 ft

# Global Experience



## North Americas

68+ stations

- 350 bar bus station with on-site production in California
- 700 bar HDV station in California
- 700 bar LDV station in California
- 700bar LDV station in Vancouver, Canada

## Europe

61+ stations

- 350 and 700 bar HDV/LDV stations in Poland with On-Site Production
- 700 bar LDV and 350 bar HDV stations in France
- 350 bar bus station in Netherlands
- 700 bar LDV and 350 bar HDV stations in Germany
- 350 bar bus station in the UK

## Korea

15 stations

- 700 bar LDV station in Korea
- 700 bar LDV and HDV stations in Korea



# Our Offices

## Denmark

Office Address:  
Vejlevej 5  
7400 Herning, Denmark

## Austria

Office Address:  
Gertrude-Fröhlich-Sandner-Straße 2,  
Tower 9, Level 7  
1100 Vienna, Austria

## USA

Office Address:  
111 Academy WY #220,  
Irvine CA 92617, United States of America

## Korea

Office Address:  
Hasoro 3, Dong-gu,  
Daejeon, 300-250, Republic of Korea

# Our Partners



Mesure Process, part of the MPH Energy group and France Hydrogène, is a French company specializing in energy solutions for mobility and industry. As a key player in the energy transition, Mesure Process provides comprehensive services for hydrogen fueling station installations, from concept development to installation and maintenance. In partnership with CAVENDISH Hydrogen, Mesure Process delivers integrated hydrogen fueling solutions across the entire French market.

# Our Customers



## Request a quotation:

[sales@cavendishh2.com](mailto:sales@cavendishh2.com) - EU

[info-us@cavendishh2.com](mailto:info-us@cavendishh2.com) - Americas



Hydrogen