

Hydrogen Refueling Station (HRS) Solutions

Your station, your way



Modular | Scalable | Reliable

GET H2 READY

Hydrogen has a pivotal role to play in the transition to a more sustainable and secure future energy mix. It is one of the most abundant elements on earth, and offers one of the lowest carbon alternatives to traditional fuels.

For the transportation sector, hydrogen carries the distinct advantage of zero tailpipe emissions (only water vapour), furthermore becoming a truly green fuel with a zero-carbon footprint if generated using renewable energy to split water (electrolysis). Unlike pure battery electric, hydrogen also offers similar refueling times to conventional fuels, making it an ideal alternative for heavy and high use vehicles such as trucks, buses and taxis.

It is estimated that hydrogen could power 10-15 million vehicles and around 20% of trucks by 2030. The race is on to deploy the refueling infrastructure necessary to secure a hydrogen powered future.

Your partner for the journey



EXPERIENCE

Founded over 150 years ago, we have considerable expertise in designing, manufacturing, installing, and servicing refueling infrastructure around the world. Our dedicated compressed gases division additionally counts more than 30 years' experience in the design and manufacture of full-site solutions for compressed gases, including CNG, RNG, and hydrogen.



AMBITION

Backed by our parent company Vontier, we have a sharp focus on smarter and greener mobility. We are committed to innovating and investing across the hydrogen value chain to continue to meet evolving customer demands.



TRUSTED

A single, reliable partner who can deliver all aspects of your project, from development, to deployment, to aftermarket services and software solutions to help you maximize your investment.



FUTURE PROOF

Every aspect of our station design is modular and ready to expand when your business scales. From the compression system, to storage, to dispensing, we have designed the station with growth in mind.



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State-of-the-art solutions to meet your zero emissions goals

Our refueling stations are designed with safety, security, connectivity, and modularity in mind – and are ready to scale up and evolve with your business over time.

- 0 Consultative approach to station design. Our Hydrogen Specialists work with you to design your station according to your current and future needs.
- Modular, containerized solutions for plug and play deployment, even where space is limited.
- **Flexible** around different hydrogen production or supply models.
- Configurable to serve a wide range of applications and 0 volumes, from passenger vehicles to heavy duty fleets.
- Designed with high serviceability and uptime in mind, backed by our extensive service & maintenance network.
- Cloud connectivity via central site controller for remote monitoring, reporting, energy management and preventative maintenance.
- Compliant with SAE J2601 and SAE J2601-2 fueling protocols.
- Ready to meet to meet all applicable regulatory and \bigcirc industry certifications by region.



OUR FULL SITE SOLUTIONS

NG

HARDWARE

SOFTWARE

SERVICES

Hydrogen Dispensing System

dispensing technology.

All-in-one compact dispenser design, based on our industry leading Encore

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HYDROGEN REFUELING STATION INFRASTRUCTURE

A Hydrogen Refueling Station (HRS) is a specially designed system for refilling fuel cell electric (FCEV) vehicles with pressurised hydrogen gas. For drivers, the hydrogen refueling experience is similar to that of conventional petrol or diesel vehicles, with refueling times around 3-5 minutes for cars and 10-15 minutes for heavy duty vehicles.



GILBARCO

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Hydrogen Supply

Via tube trailer delivery

or on-site production.

Increases the pressure of hydrogen for storage and dispensing.

Compression



Storag

Above ground high pressure storage cylinders. Available in 500 bar or 1000 bar, and in multiples depending on site throughout.

Containerized Compression System

Triple diaphragm compression technology, available in single or dual phase. Ready to serve different station throughputs and inlet/outlet pressures. Capable of volumes in excess of 2500 kg/day.



the flow of gas on the station.

Hydrogen is dispensed into hydrogen tanks on the vehicle, then converted by fuel cells into electricity to move the vehicle. The only emission is water vapour.

AT THE FOREFRONT OF THE ENERGY TRANSITION

Our mission is to build cleaner, more sustainable mobility of the future. Our commitment is to supply the world with the infrastructure needed to accelerate the transition to a zero-carbon future.

Our turnkey hydrogen refueling stations are built on our legacy of industry leading refueling solutions for commercial and retail applications. A product of the quality engineering that is our signature, and trusted by thousands of clients worldwide, our hydrogen refueling systems are designed to provide a 'comfortably new' hydrogen refueling experience for drivers, by combining familiar design, with the latest modern technology for the best end-user experience.

Driving a decarbonized future for our industry

At ANGI Energy Systems, we support the **United Nation's 2030 Agenda for Sustainable Development**. As a business we follow the ESG (Environment, Social and Governance) framework for sustainability, where we apply our robust policies, processes and procedures to scale solutions aimed at alleviating some of our industry's and the planet's major sustainability challenges.

Through our dedicated **alternative fueling platform**, we strive to build a low carbon, sustainable future for our customers and communities. Our integrated solutions across **hydrogen**, **CNG**, **RNG** and **e-Mobility** have been carefully curated to offer a seamless and responsible transition to alternative refueling.





Ready to join the H2 revolution?

Speak to our dedicated hydrogen solution specialists

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We support **United Nations** Global Compact

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