

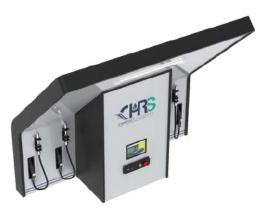


COMPACT HYDROGEN REFUELING SYSTEM

CHRSTM

Compact Hydrogen Refueling System





CHRS is a compact hydrogen refueling system designed to produce, store, and deliver high-quality, fuel cell-grade hydrogen from water using electrolyzers.



Key Features

CHRS is an affordable, sustainable solution for hydrogen refueling that features:

- Scalable and modular
- Mater electrolysis
- 🕇 350 or 700 bar compression
- Hydrogen storage
- 🎤 Smart dispensing
- Certified components
- ☐ Ideal for fuel cell electric vehicles (FCEVs) and other hydrogen-powered applications



CHRS refueling a FCEV



How It Works

CHRS operates by utilizing 220-240v power to run electrolyzer stacks, facilitating the separation of hydrogen from water. The hydrogen is subsequently compressed and stored in dedicated tanks. Users can then access the hydrogen fuel through a refueling nozzle for dispensing.



CHRS 2.0 features a refueling nozzle, hydrogen tanks, and a digital HMI

Our Demonstration

In November 2023, we completed the first interation of CHRS. This milestone played a crucial role in shaping our technological development in dispensing.



CHRS 2.0



CHRS 1.0 and Chair, Don Owens



Refueling a FCEV



CHRS digital HMI

Fuel of the Future

Flexible, Local Production

CHRS offers a host of benefits with its scalable, flexible, and locally produced green hydrogen. Its scalability allows for tailored deployment, meeting varying demand levels and adapting to different infrastructural needs. It's compact design ensures it can fit almost anywhere.





Endless Applications

Green hydrogen refueling emerges as a pivotal solution for directly powering fuel cell electric vehicles (FCEVs) and hydrogen internal combustion engine vehicles (HICEVs). This technology facilitates efficient refueling of FCEVs, ensuring longer driving ranges and faster refueling times compared to traditional electric vehicles. Furthermore, it extends its applications to HICEVs, showcasing the versatility of hydrogen in transforming both passenger and commercial vehicle fleets.

The Green Hydrogen Transition



Faster than our competitors
Most green hydrogen projects take
billions in financing and years to
complete. HNOI builds at a rapid
and cost-effective pace compared
to our competitors, offering a
timely, accessible solution for
communities, industries, and
enterprises.



Made in the USA
With HNOI, you are choosing to support domestic suppliers and laborers, build a resilient supply chain, and promote internal economic growth. This enhances the economy and guarantees reliability and sustainability within the ermerging industry.



Choosing green hydrogen reduces emissions, fostering a healthier environment, combating climate change, and aligning with sustainability goals. It meets the increasing demand for environmentally conscious energy solutions and encourages innovation.

Our Company

Who We Are

HNO International is a green hydrogen product development company. Our mission is to provide cost-effective, modular, scalable systems that produce, store, and dispense green hydrogen on a regional, local scale.

Highlights:

- 15+ years in hydrogen R&D exp.
- 19 US patents
- Strong partnerships in industry



Donald Owens
Chairman/President/CEO
Don, our visionary and leader for 15+ years, combines engineering, patent law, and entrepreneurship, driving our hydrogen technology success.



Jasmine Lious
Executive Vice President
Jasmine leverages decades of expertise in education, strategy, and communications to drive hydrogen innovation.



Greg Heller
CTO
Greg brings strategic insight to our business
development, collaborating with engineers to
innovate and optimize our hydrogen systems.



