



**SHEP**



**CHRS**



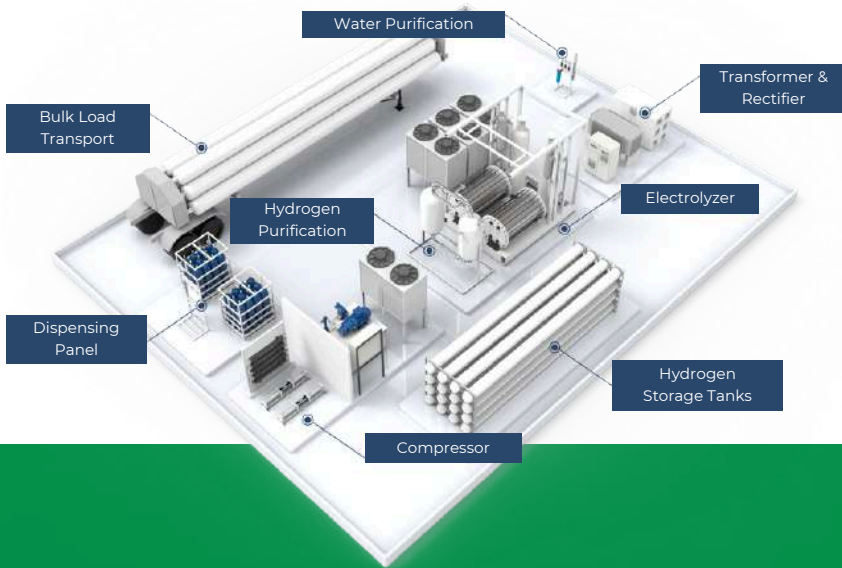
**HCC**

**2024 Products**







# SHEP™

## Scalable Hydrogen Energy Platform

SHEP is a scalable hydrogen production platform built on a 1.25MW alkaline electrolyzer that produces up to 500kg per day of compressed hydrogen from water.



## Key Features

-  Localized green/clean hydrogen production
-  Scalable and modular
-  Up to 500 kg/day per electrolyzer
-  350/700 bar compression
-  Smaller footprint
-  Green or grid power












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
-  Water 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*

# HCC

## Hydrogen Carbon Cleaner

The Hydrogen Carbon Cleaner (HCC) is a simple, safe, and effective system that enhances diesel, gasoline, and natural gas internal combustion engines with the power of clean hydrogen.



## Applications We Service

*The HCC cleans multiple engine types*



Trucks



Buses



Generators



Port Equipment



Construction



Agriculture



Military



Ground Support Equipment

## Service in Action

### Why do Engines Need Cleaning?

All internal combustion engines produce carbon deposits as a result of their operation. This holds true for engine types across countless sectors such as transportation, shipping, agriculture, mining, construction, power generation, and more. We recommend using the HCC as part of your fleet's regular maintenance schedule.



# 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

Founder and Chairman

Don, our visionary and leader for 15+ years, combines engineering, patent law, and entrepreneurship, driving our hydrogen technology success.



### Paul Mueller

President and CEO

Paul leverages 30+ years in Aviation, Aerospace, and Defense. P&L leader since 2007, he transforms our green hydrogen business with strategic organization.



### Greg Heller

CTO

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

# Contact Us



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