



POWERING UPTIME REDUCING EMISSIONS

Hydrogen-on-Demand Retrofit Technology
for Genset Applications

RELIABLE POWER. LOWER COSTS. **CLEANER FUTURE.**

HydraGEN™ safely introduces hydrogen and oxygen on demand into the engine air intake to enhance combustion – improving efficiency, reducing emissions and extending engine life.



NO HYDROGEN STORAGE

No high-pressure tanks.
No handling risk.
No additional
infrastructure.



EASY RETROFIT

Installs in hours.
Minimal downtime.
No engine
modifications.



NO FUEL INFRASTRUCTURE CHANGE

Works with
existing diesel
systems.



SAFE & RELIABLE

Integrated controls
& monitoring for
continuous
operation.



SCALABLE SOLUTION

From single units
to large multi-MW
installations.



ENGINEERED FOR UPTIME. **BUILT FOR RELIABILITY.**

Advanced ECU, redundant sensors and automated safety functions ensure maximum uptime and dependable performance - even in mission-critical operations.

IDEAL FOR GENSET APPLICATIONS



**DATA
CENTERS**



**HOSPITALS &
HEALTHCARE**



**INDUSTRIAL
FACILITIES**



**TELECOM
SITES**

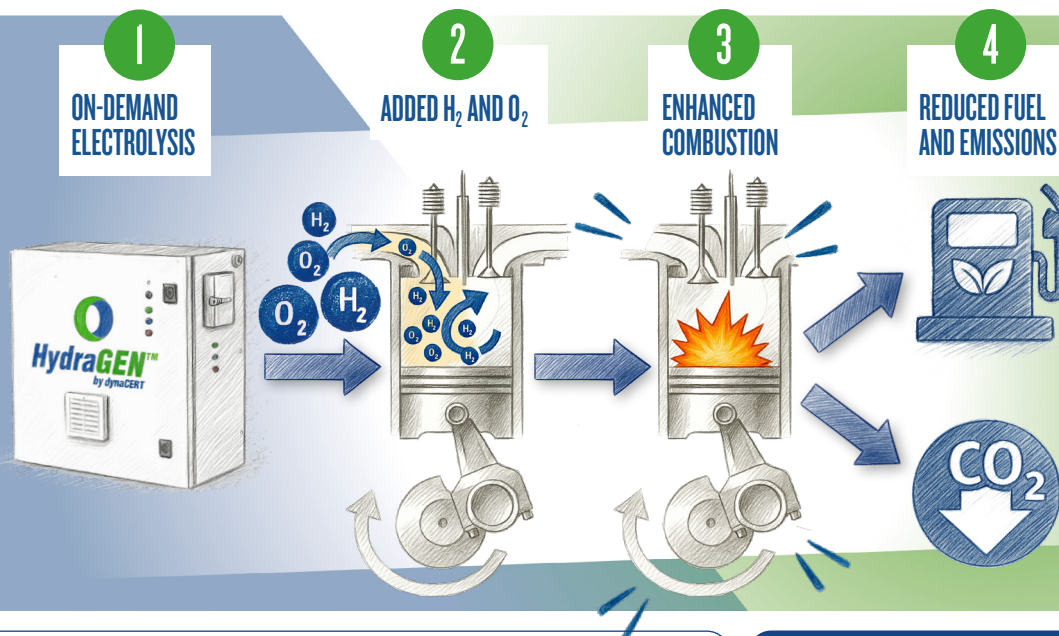


**OIL & GAS
FACILITIES**



**REMOTE & OFF-GRID
OPERATIONS**

HOW HYDRAGEN™ WORKS – THE HYDROGEN ADVANTAGE



WHY GENSET OPERATORS CHOOSE HYDRAGEN™

- ✓ Improves fuel efficiency and reduces operating costs*
- ✓ Reduces emissions (CO₂, NO_x, PM, CO, HC) and supports ESG goals*
- ✓ Extends engine life and lowers maintenance expenses*
- ✓ Low installation cost and long service life
- ✓ Minimal downtime - install during regular maintenance
- ✓ Fits into most makes (brand and models) across 0.1 to 5 megawatt
- ✓ Patented Technology not limited to an OEM/brand nor vehicle

*Results observed are based on vehicle make and application surroundings.



TRUSTED. PROVEN. GLOBAL.

dynaCERT has successfully deployed HydraGEN™ technology for genset operators around the world. Our technology is backed by independent testing and a growing base of satisfied customers.



SCALABLE SOLUTIONS FOR EVERY POWER NEED



HG1R Series

10 - 15 l Diesel Engines



HG2R Series

1 - 8 l Diesel Engines



HG4C Series

30 - 60 l Diesel Engines



HG6C Series

60 - 90 l Diesel Engines

PLUG-IN INSTALLATION – SIMPLE AND STREAMLINED



1. DISCOVER

Assess your needs and define goals



2. EVALUATION

Site review and technical solution design



3. INSTALLATION

Fast, safe, and non-intrusive installation



4. COMMISSIONING

System test and performance validation



5. OPTIMIZATION

Continuous monitoring and optimization.

ONE TECHNOLOGY. MULTIPLE BENEFITS.



LOWER COST OF OWNERSHIP



FUEL INFRASTRUCTURE FLEXIBILITY



CLEANER OPERATIONS



EASY TO USE & MAINTAIN



PROVEN OEM APPROVED



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LET'S TALK
Scan to connect with our team.



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