

SMARTER ENERGY CLEANER OPERATIONS

HydraGEN™ Hydrogen-on-Demand Retrofit Technology
for Oil & Gas Applications

BRIDGE TECHNOLOGY FOR EXISTING DIESEL ASSETS IN OIL & GAS SECTOR

HydraGEN™ safely introduces hydrogen and oxygen on demand into the engine air intake to enhance combustion – improving efficiency and reducing emissions without changing your infrastructure.



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-site installations.



ENGINEERED FOR SAFETY. BUILT FOR RELIABILITY.

Advanced ECU, redundant sensors and automated safety functions ensure reliable performance in oil & gas operations – even in remote & harsh environments.

BUILT FOR A WIDE RANGE OF OIL & GAS APPLICATIONS



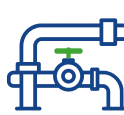
OFFSHORE
PLATFORMS
& RIGS



ONSHORE
PRODUCTION



COMPRESSOR
STATIONS



PIPELINES &
GATHERING
SYSTEMS



DRILLING &
COMPLETION

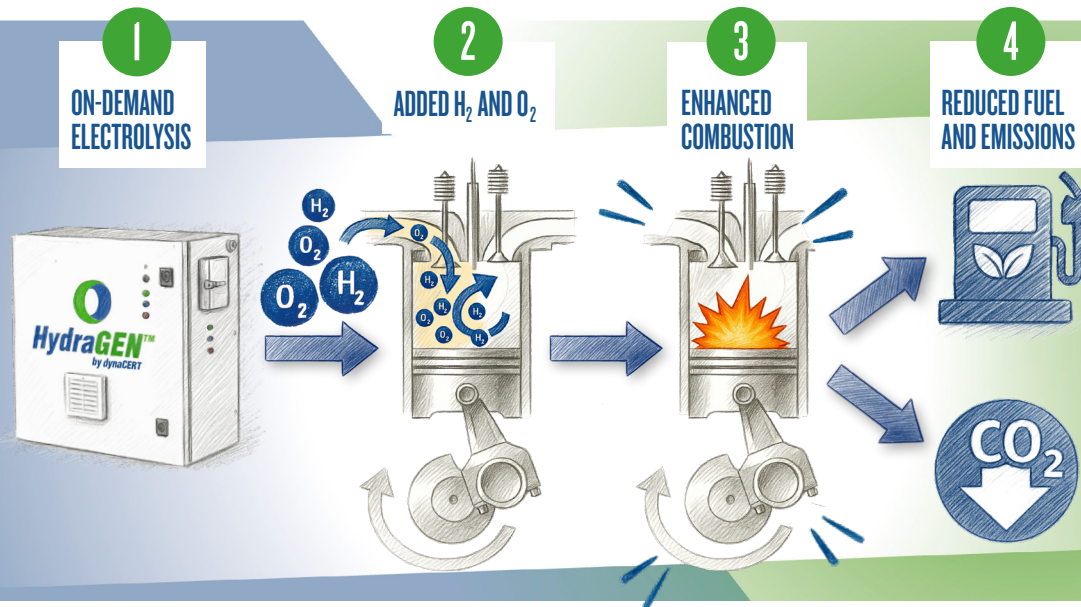


POWER
GENERATION
& AUXILIARY
EQUIPMENT



FLEET & MOBILE
OPERATIONS

HOW HYDRAGEN™ WORKS – THE HYDROGEN ADVANTAGE



WHY OIL & GAS OPERATORS CHOOSE HYDRAGEN™

- ✓ Improves fuel efficiency across a wide range of engines and loads*
- ✓ Works with existing diesel and biodiesel blends (B20 ready)
- ✓ Reduces emissions (CO₂, NOX, PM, CO, HC) and supports ESG goals*
- ✓ Proven technology in real-world oil & gas applications
- ✓ Extends equipment life and lowers maintenance*
- ✓ Carbon credit readiness through verified methodologies*

*Results depend on project-specific factors and applicable methodologies.



ENGINEERED FOR A CLEANER FUTURE.

HydraGEN™ is a proven, field-ready solution leveraging on-demand electrolysis to enhance combustion, reduce emissions, and lower fuel costs-without engine or operational penalties. Built for oil & gas conditions.



SCALABLE SOLUTIONS FOR EVERY POWER NEED



HG1R Series

10 - 15 l Diesel Engines



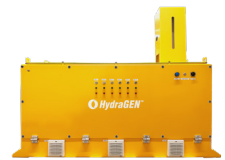
HG2R Series

1 - 8 l Diesel Engines



HG4C Series

30 - 60 l Diesel Engines



HG6C Series

60 - 90 l Diesel Engines

PROJECT INTEGRATION – SIMPLE AND STRUCTURED



1. ASSESSMENT

Analyze your assets and operating profile.



2. ENGINEERING

System design and integration planning.



3. INSTALLATION

Fast installation with minimal operational impact.



4. COMMISSIONING

System test and performance verification.



5. OPERATION

Continuous monitoring and optimization.

ONE TECHNOLOGY. MULTIPLE BENEFITS. NO COMPROMISE.



LOWER FUEL CONSUMPTION



REDUCE EMISSIONS



EXTEND EQUIPMENT LIFE



SUPPORT ESG GOALS



LOWER MAINTENANCE



PROVEN IN OIL & GAS OPERATIONS



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