

FAST FACTS

**H2 Tek distributes
dynaCERT's
HydraGEN™ technology
globally.**

**Capital Invested in
HydraGEN™
>\$60 Million**

Market Segments
Mining, Energy, Transportation,
& Marine

Applications
Diesel Engines & Powergens

Value Proposition
Drive OPEX reductions,
Reduce carbon emissions

Financial Benefit
6 to 12-month payback
3-year ROI: 200%-500%

Regional Markets
Americas, South Africa, Eurasia
& Asia Pacific

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HydraGEN™

TECHNOLOGY
INDEPENDENTLY
VERIFIED



DYNACERT'S HYDRAGEN™ FOR DIESEL ENGINES

H2 Tek sells and services hydrogen technology for heavy mining equipment. After more than a decade in development and transportation sector commercial deployment, H2 Tek launched **HydraGEN™ for diesel engines**. The HydraGEN™ on-demand technology is designed to introduce hydrogen and oxygen gas into the air intake to reduce diesel engine emissions and improve fuel economy.

REDUCE FUEL COSTS BETWEEN 7%-15% > EXAMPLE

Fuel is a significant cost input for mines, and meaningful cost reductions are feasible with the HydraGEN™ technology. A mine operation with 40 Cat 793F haul trucks could save about \$4M in fuel costs a year @ 8% savings.

REDUCE TOTAL HYDROCARBON EMISSIONS BY UP TO 50%

Meet ESG priorities for carbon emissions reduction with HydraGEN. Independent testing showed **up to: 88% reduction in NOx, 27% in CO, 57% for Total Hydrocarbons (THC) and 55% for Particulate Matter.**

USE: LARGE DIESEL EQUIPMENT AND POWER GENERATORS

HydraGEN™ is suitable for a wide range of diesel engine mining equipment and power generators up to the 4MW range.

THIRD-PARTY VERIFICATION OF TECHNOLOGY

HydraGEN™ has been **verified to reduce carbon emissions and fuel consumption by independent third-party accredited laboratories and testing facilities**. Was granted ABE Certification from German Department of Transportation after 26 months of expert testing.

THE TEAM: GLOBAL REACH, LOCAL SUPPORT

*H2 Tek is solely focused on selling and servicing HydraGEN technology for diesel engine applications globally out of its North American Head Office and with its sales and service partners in **North & South America, Mexico, Japan, Australia, and South Africa.***

Selected Pilots 2022 - 2023

