



H2 Tek is a preeminent global dealer for dynaCERT's HydraGEN™ technology. HydraGEN significantly reduces carbon emissions and improves fuel economy in diesel engines. H2 Tek helps businesses reduce OPEX and meet carbon emission reduction priorities through its global operations.

Company

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Industry

Environmental & Energy Technology,
Carbon Emission & Diesel Fuel Consumption Reductions

Market Segments

Mining, Energy, Transportation, & Marine

Technology Applications

Diesel Engines & Powergens

Value Proposition

Drive OPEX reductions,
Reduce carbon emissions

Financial Benefit

4 – 12 month payback
ROIs – 3 year: 200%-500%

Regional Market Emphasis

Primary: Americas & Asia Pacific

HydraGEN™



David Van Klaveren: Vice President, Global Sales



As founding partners of H2 Tek, David-san with his partner, Joao Araujo, lead business development, along with its global in-region alliance partners, for mining markets, power generation, and oil & gas sectors, among other large diesel equipment applications. Key markets encompass North and Latin America with strategic major market initiatives in Eurasia and Asia-Pacific.

David is a passionate and accomplished business development leader with comprehensive career background in environmental technology, professional services, software, and consumer markets. He is driven to create value by doing things differently, better and more profitably. David graduated from University of Toronto's Rotman School of Management with an MBA in 1997.

H2 TEK INTRODUCES DYNACERT'S HYDRAGEN™ FOR DIESEL ENGINES

H2 Tek sells and services hydrogen technology for heavy mining equipment and diesel power generators to lower carbon emissions while improving fuel economy. After more than a decade in development, the technology was first proven in the transportation sector, with independent third-party validation in Canada and the European Union. **Now, HydraGEN™ models are available for equipment ranging from 14L to 100L displacement diesel engines.** The HydraGEN™ on-demand generator device is designed to introduce hydrogen and oxygen gas into the air intake to reduce diesel engine emissions and improve fuel economy.

DRIVE COSTS DOWN > REDUCE FUEL COSTS BY UP TO 15%

EXAMPLE: Mining operation where fuel is a significant cost input, meaningful cost reductions are feasible with the HydraGEN™ technology. One mine operation with a fleet of nearly Cat 793F haul trucks stands to save over \$3.5M in fuel costs per year.

REDUCE TOTAL HYDROCARBON EMISSIONS BY UP TO 50% (THC)

Meet corporate responsibility priorities fir 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.**

HYDRAGEN™ TECHNOLOGY FOR LARGE DIESEL EQUIPMENT AND POWER GENERATORS

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

THIRD-PARTY VERIFICATION OF TECHNOLOGY

HydraGEN™ Technology has been demonstrated and **verified to reduce carbon emissions and fuel consumption by independent third-party accredited laboratories and testing facilities.** Received the KBA Homologation Certification from German Department of Transportation after 26 months of testing (TÜV NORD and TÜV SÜD in Germany in 2018/19)

THE TEAM

H2 Tek has a team of dedicated professionals solely focused on selling and servicing HydraGEN technology for diesel engine applications globally out of its North American Head Office and with its LATAM partners in Brazil, Chile, Argentina Peru and Mexico. In October 2020, Marubeni begins selling and servicing in Japan, Mongolia, Australia and Latin America.

