

# CLEAN SCIENCE FOR CLEAN EFFICIENCY

TSX.V: DYA  
OTCQB: DYFSF  
DAX: DMJ

[dynacert.com](http://dynacert.com)

**dynaCERT** is a Canadian based company who has developed the next generation Carbon Emission Reduction Technology for diesel engines in the global market, that also provides significant fuel savings to the operator. *dynaCERT's* HydraGEN™ Technology uses simple electrolysis to turn distilled water into H<sub>2</sub> & O<sub>2</sub> gases that are produced on demand.

The gases are introduced into the diesel engine's air intake before the turbocharger, creating a homogeneous hydrogen-air mixture prior to combustion. Hydrogen gas mixes with diesel fuel in the engine's combustion chamber, where it acts as a combustion enhancer, for a faster and more

complete burn and a lower combustion temperature. The result is decreased NOx production and reduced carbon emissions overall. Hydrogen gas has the added benefits of improving fuel economy and reducing engine wear and tear. The faster and earlier burn in the power stroke means a more efficient burn of diesel fuel, providing increased torque and reducing emissions of non-combusted hydrocarbons.

Validated through both on-road and accredited 3rd party testing by the PIT Group, the HydraGEN™ Technology produced results of:

**6-19.2%**  
reduction in  
fuel consumption

**48.1%**  
reduction in  
CO emissions

**50.1%**  
reduction in  
THC emissions

**46.1%**  
reduction in  
NOx emissions

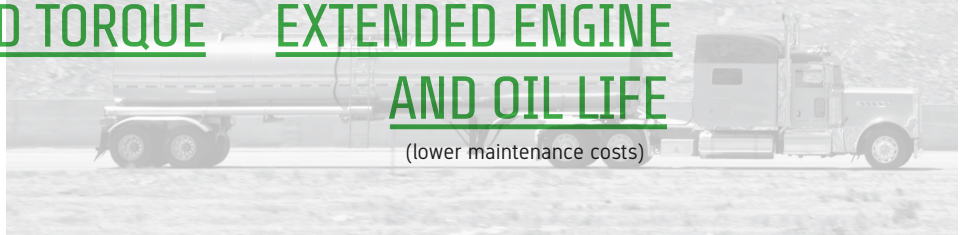
usage by  
**60%**  
Reduction of Diesel  
Emission Fuel (DEF)

average  
**65%**  
reduction in  
particulate matter  
(no black smoke)

at least  
**33%**  
Reduction of Diesel  
Particulate Filter (DPF)  
replacement period

**INCREASED ENGINE  
POWER AND TORQUE**

**EXTENDED ENGINE  
AND OIL LIFE**  
(lower maintenance costs)



# DRIVING CHANGE FOR A BETTER FUTURE



While competitors' products might have applications solely for trucks or small cars, HydraGEN™ Technology is designed for all types and sizes of diesel engines. A HydraGEN™ unit can be set to create specific levels of H<sub>2</sub> & O<sub>2</sub> gas for a diesel engine's needs, depending on the engine's displacement. This means the market for *dynaCERT's* HydraGEN™ technology includes all diesel engines such as on-road vehicles, reefer trailers, off-road construction, mining and forestry equipment, power generation, marine vessels and railroad locomotives.

*dynaCERT* and the HydraGEN™ technology have also gained the acknowledgement of various organizations. The HydraGEN™ HG1 has been PIT Group verified and has won the 2018 Gold Edison Award for the Vehicle Advancements category. *dynaCERT Inc.* (TSXV: DYA) has been recognized as a 2017 TSX Venture 50 Company, being the top performing company for the Clean Technology & Life Sciences sector, as well as the top overall performer on the TSX Venture Exchange for 2017.

With increasing government pressure for companies to take green initiatives and reduce their carbon footprints, demand for a solution to reducing carbon emissions is at an all time high. *dynaCERT* has considerable potential for growth.

With one billion diesel engines in operation today, the market for *dynaCERT's* HydraGEN™ technology is virtually unlimited.



## MANAGEMENT

James Payne, PRESIDENT & CEO  
Wayne Hoffman, CHAIRMAN  
Robert Maier, COO  
Terrence MacDonald, CFO

## INVESTOR RELATIONS

Nancy Massicotte  
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## CAPITAL STRUCTURE

(AS AT JUNE 30, 2018)

Shares Outstanding: 251,287,016  
Warrants: 7,420,976  
Stock Options: 21,752,096

Transfer Agent: TSX Trust Company  
Auditors: Ernst & Young LLP  
Legal Counsel:  
Law Office of Brian Illion;  
TingleMerret LLP

## MARKET STATISTICS

(TSXV: DYA)

Share Price (06/30/18): \$0.275  
52-week low/high: \$0.22/\$0.87  
Market Cap (06/30/18): \$69M

## OTHER STOCK EXCHANGES

OTCQB: DYFSF  
DAX: DMJ