

A GLOBAL SOLUTION TO REDUCE POLLUTION

Fall 2023
Presentation



Forward Looking Statement

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- ▶ The requirement for significant financing to develop and market its technology;
- ▶ The ability to establish and maintain arrangements with industry recognized strategic partners;
- ▶ Market acceptance of the Company's technology and products;
- ▶ Competition in all aspects of its business;

- ▶ The effect of general economic, credit and capital market conditions on its business;
- ▶ The ability to complete product development milestones and progress towards commercialization of product within the contemplated timetable;
- ▶ The ability to attract and keep highly qualified staff and management; and
- ▶ Changes in product profit margins due to pricing changes driven by variations in customer demand, competition, or unforeseen factors.

•The Company's forward-looking statements should be considered in the context of these and other risk factors. All future written and oral forward-looking statements made by the Company on its behalf are also subject to these factors. The Company undertakes no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise. Securities laws vary between Canadian provinces and investors should seek independent legal advice regarding compliance with applicable securities laws in connection with any investment in the Company. The securities of the Company are not registered under United States securities laws. This presentation/document is not a prospectus or a public offering in any jurisdiction.

Highlights

Carbon Emission Reduction Technology	International Growth Strategy
Diversification in Trucking, Mining, Oil & Gas	Multiple Vertical Markets
Proprietary know-how & Patents	Leader in Hydrogen Technology
Carbon Credit measurement	Potential Recurring Revenue
High Barriers to Entry	Dominant Competitor Advantage
Compelling Value Proposition to users	< 1 year payback
Strong Margins	Attractive Business Model



HydraGEN™ Patented Technology

- dynaCERT has developed & commercialized a patented proprietary Electroliser called HydraGEN™
- Produces measured amounts of hydrogen and oxygen gases from distilled water
- Delivers H2 and O2 at the air intake of internal combustion engines
- Results in:
 - > More power
 - > Better torque
 - < Less fuel consumption and
 - < Less CO2, CO, and NOx



HydraGEN™ Features

- On-demand, no H2 storage, no pressure, safer
- With a low power demand from the engine's battery
- Delivered to the air intake of internal combustion engines
- On trucks, mining equipment, generators, reefers, construction equipment
- < particulate matter
- < black smoke
- < Diesel Exhaust Fluid and < Diesel Particulate Filter



2023 Timely Investment Opportunity



OIL PRICES AT DECADE HIGH'S: MAKING
HYDRAGEN™ COMPELLING FOR USERS



GLOBAL ECONOMY IS LEARNING HOW
TO REGENERATE IMPACT OF COVID
SLOWDOWN



GLOBAL SUPPLY CHAIN IS FILTERING
THROUGH THE BUSINESS COMMUNITY
WORLDWIDE

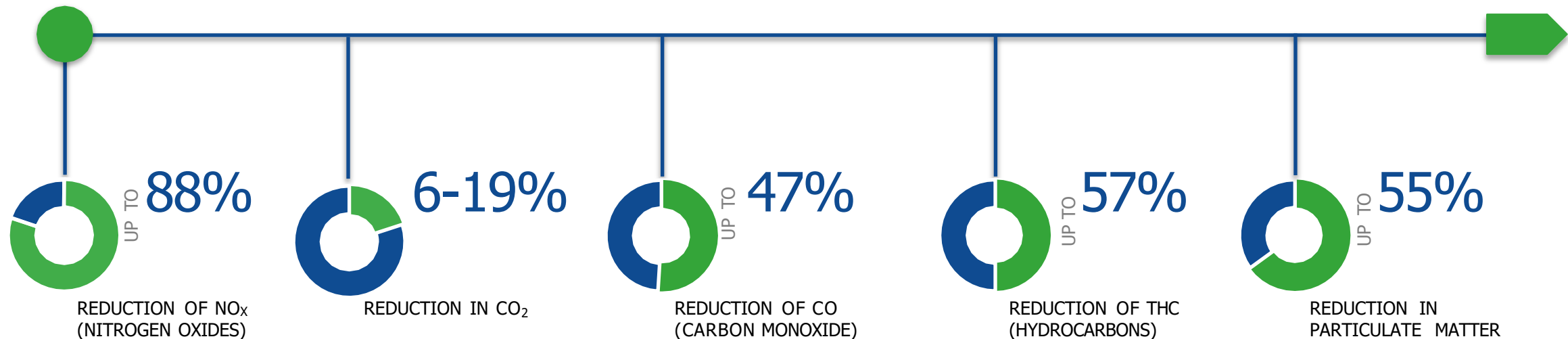


Emission Benefits

HydraGEN™

HydraGEN™ Lowers Emissions Substantially

The following results have been acquired from accredited third party verification performed by PIT Group in Montreal, Quebec, Continental EMITEC in Germany and performance testing at the UOIT ACE in Toronto, Ontario.

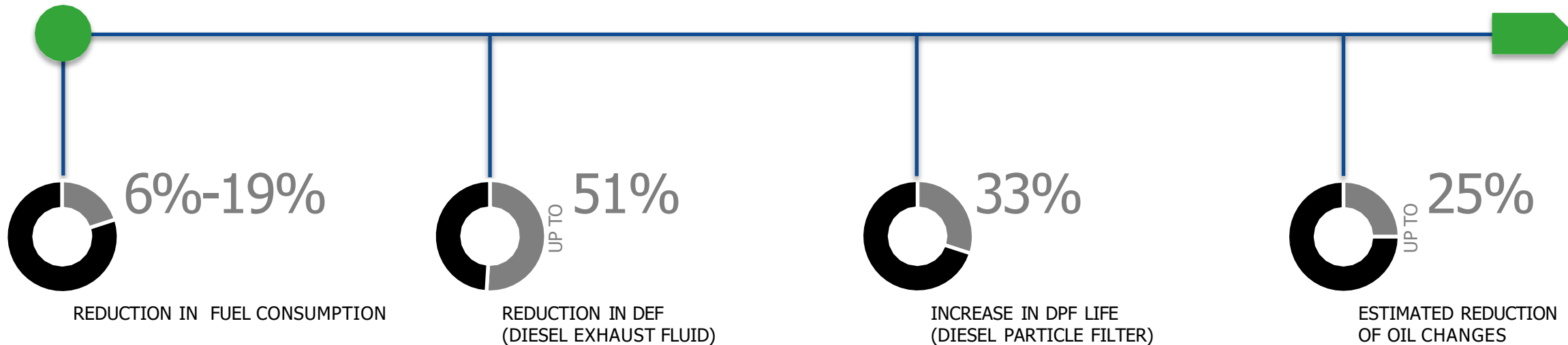


Economic Benefits

HydraGEN™

Lower Consumption and Maintenance

The following results have been acquired from accredited third party verification performed by PIT Group in Montreal, Quebec, Continental EMITEC in Germany, and performance testing at the UOIT ACE in Toronto, Ontario.



Independent Validations

UOIT (University of Ontario Institute of Technology)

PIT Group in Canada

Continental EMITEC

iCAT in India

Independent testimonials by users, globally

TÜV NORD & TÜV SUD testing for ABE/KBA European Homologation

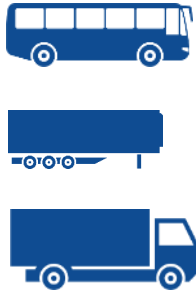
Now: user “audit” with HydraLytica™



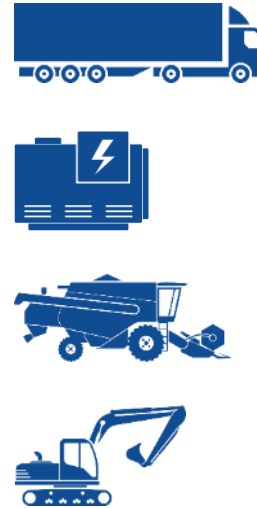
Product Line

HydraGEN™

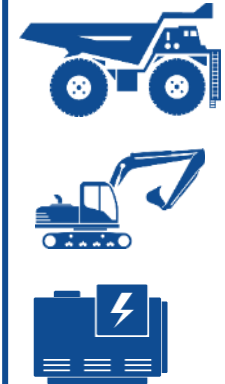
HG2 Series
1 to 8 litre engines



HG1 Series
10 to 15 litre engines



HG-4C & HG-6C series
40 to 100 litre engines



HG1 Series

Greener Transportation

- ✓ Suitable for 10-15 L Diesel Engines
- ✓ Reduces Fuel Consumption up to 10%
- ✓ Transportation, Passenger Transport, Power Generation, Construction, Agriculture, Mining
- ✓ Reduce your Carbon Footprint and meet ESG Goals



Warranty: 1 Year Limited Manufacturer's

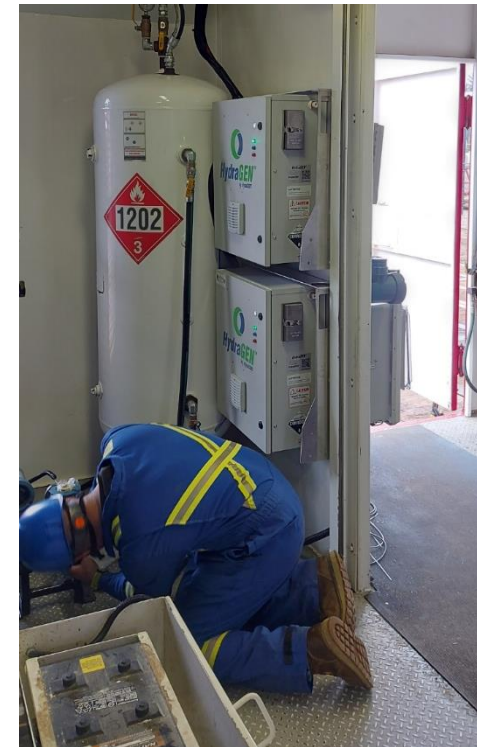
Certifications:



Transport & Logistics Application



Transport & Generation/Oil Fields



Construction Application



Transport & Logistics Application



Results – Mining Pilots

Reducing carbon emissions, improving diesel fuel economy



CAT797

1.3MM Tonnes Hauled
3,300 Cycles

13.4%
Fuel Efficiency



**Komatsu
930E**

380,000 Tonnes Hauled
700 Hours

11.8%
Fuel Efficiency

**TRIALS
Achieved
8%-13%
Diesel Fuel
Efficiency Gain**

11.0%
Fuel Efficiency

**Highway
Transport**
1,280 Hours



12.6%
Fuel Efficiency



**Dynamometer
14L MAN Truck**

3rd Party Testing
>Emitec/Contential

8.9%
Fuel Efficiency



CAT793

320,000 Tonnes Hauled
826 Hours

2022 Trials



HG2R Series



Greener Transportation

- ✓ Suitable for 1-8 L Diesel Engines
- ✓ Reduces Fuel Consumption up to 10%
- ✓ Transportation, Passenger Transport, Power Generation, Construction, Agriculture
- ✓ Reduce your Carbon Footprint and meet ESG Goals



Warranty: 1 Year Limited Manufacturer's

Certifications:



Power Generation Application



HydraGEN™ HG4C unit



Fuel Tank and Containerised Generator

HG4C



Greener Mining

- ✓ Suitable for 40–60 L Diesel Engines
- ✓ Reduces Fuel Consumption up to 10%
- ✓ Power Generation, Heavy Mining and Construction Agreement
- ✓ Reduce your Carbon Footprint and meet ESG Goals



Warranty: 1 Year Limited Manufacturer's

Certifications:



HG6C



Greener Mining

- ✓ Suitable for 60–90 L Diesel Engines
- ✓ Reduces Fuel Consumption up to 10%
- ✓ Power Generation, Heavy Mining and Construction Agreement
- ✓ Reduce your Carbon Footprint and meet ESG Goals



Warranty: 1 Year Limited Manufacturer's

Certifications:



Mining Application – Open Pit



Target Markets - Industries Served



CURRENT MARKETS



- Buses



- Refrigerated Trailers



- Small Trucks



- Class 8 Trucks



- Power Generators

- Farming



- Construction



- Mining Equipment



PLANNED



- Passenger vehicles



- Small Marine Vessels



- Ocean Vessels



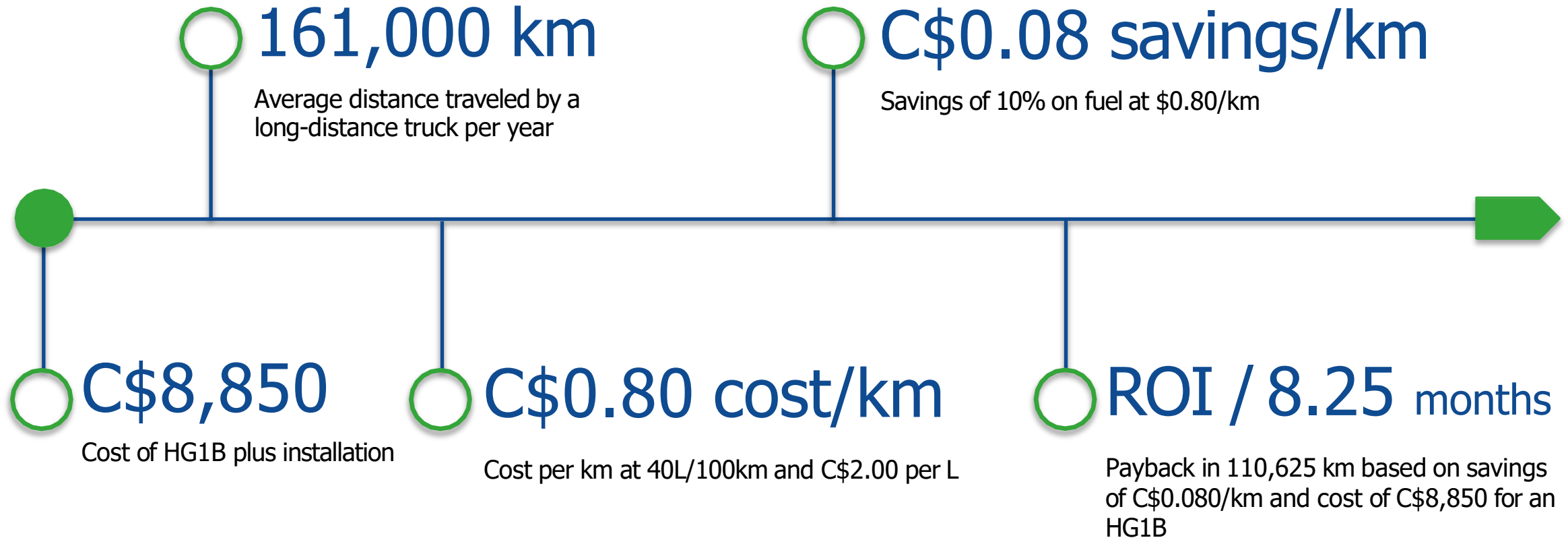
- Locomotives



Diverse Applications of HydraGEN™



Value Proposition to End-User



**Payback model is only based on fuel savings. End-users of HydraGEN™ Technology may also find cost savings from other areas such as reduction of DPF filters used, less DEF usage and less oil changes.*

Market Size

- **Total ICE Market**

- 1 Billion internal combustion engines operate world-wide
- 100 Million new internal combustion engines built world-wide every year

- **HG2 Market Estimate**

- 20 Million in North America
- 40 Million in Europe
- 55 Million in South Asia
- 20 Million in South America

Europe

- 145 million trucks

North America

- 711,000 trucking companies relying on 3.5 million drivers
- 15.5 million class 8 trucks
- 36 million trucks registered for business

South America & India

- 210 million trucks

Dealer Network – September 2023



48 Qualified Dealers & Agents Globally that Service 55 Countries:



HydraLytica™ Benefits



Automated Reporting & Analytics



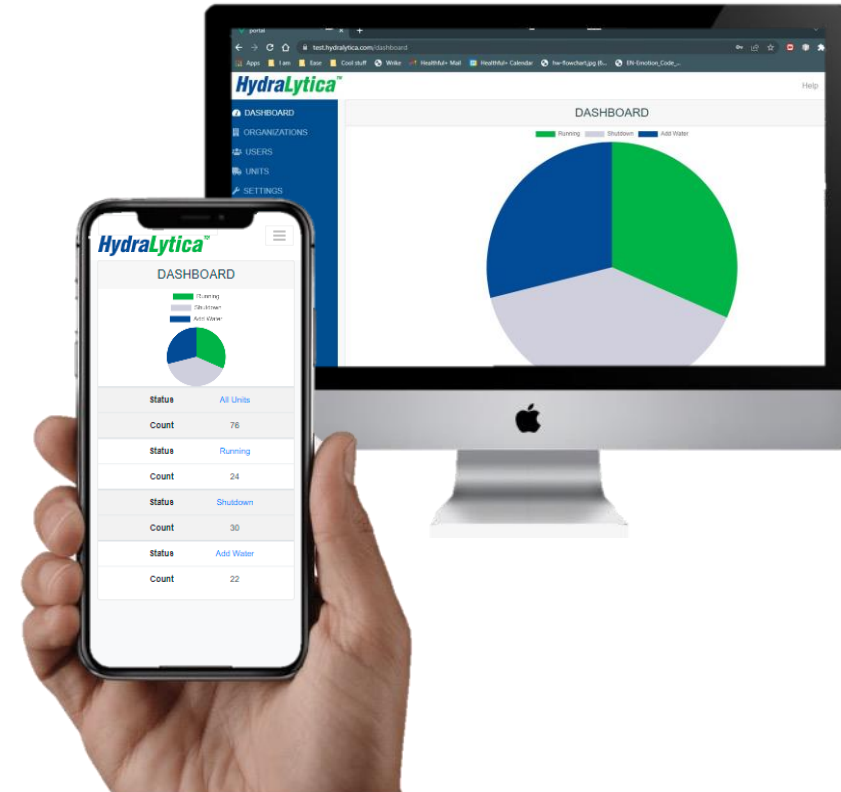
Automated fleet-wide tracking of fuel savings, emission reduction, & carbon credits generated.



Reduce Maintenance Cost



HydraLytica™ also automates fleet management for the HydraGEN™ system.



Business Model

CAD 90,000,000 expenditures to develop and design	18 Years of R&D
dynaCERT assembles product in Toronto, Canada	newly upgraded assembly facilities
Cost of production: 50% of wholesale price	Profit Margin: 100%
Products sold through global dealer/agent network	In Europe dynaCERT GmbH
Dealer network insures local sales, marketing & service	Reduces sales & marketing Overhead
Multiple Target Markets	Using dealer network Strategy
Multiple Product Versions	Adaptation to client Requirements
Continuous R&D	Maintain market & product Leadership



Comparable Technology = Trailer Skirts

Trailer Skirts

- 90% of long-haul trucks have added skirts since their launch 9 years ago
- Skirts cost C\$3,000 can save 1% fuel

HydraGEN™ Technology

- Cost the end-user ~C \$10,000 and can save approximately 10% fuel, 1% for C\$1,000

Comparison

- HydraGEN™ is a 3 x Better Proposition than trailer skirts



Verra Carbon Credits

Verified Carbon Standard (VCS)
by Verra

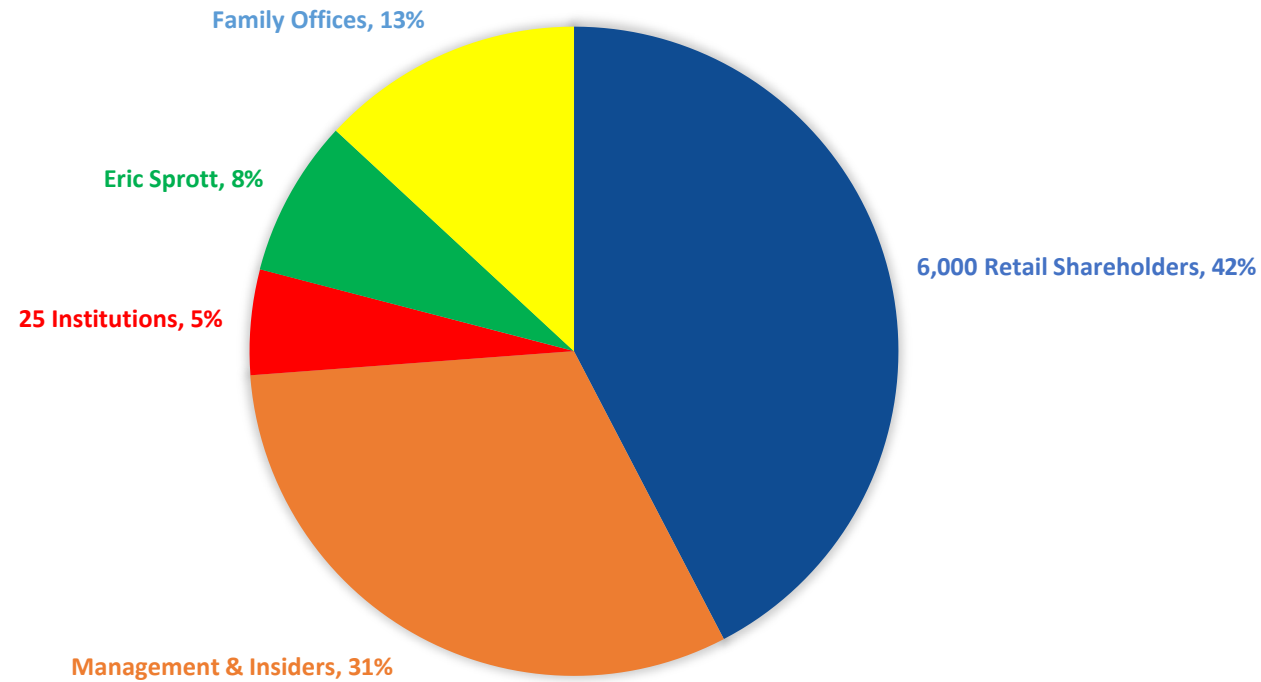
The VCS Program is the world's
leading voluntary program for
the certification of GHG emission
reduction projects

dynaCERT obtained Verra VCS
Methodology approval in 2021



Strong Shareholders

APPROXIMATE VALUES



High Barriers to Entry



Worldwide Patents + Unique ECU (Electronic Control Unit)



Technological advantage: e.g., weather robustness, separation method of H₂ and O₂,



Lead Time advantage: \$90 million & 18 years to develop the Technology



Regulatory advantage: Certification in global jurisdictions takes years



Distribution Network advantage: e.g., 47 qualified dealers globally



First-to-Market advantage: across many verticals, e.g., transportation, mining, oil & gas, generators, construction

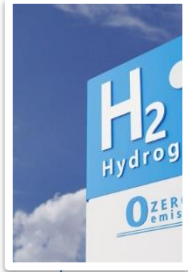




Cipher Neutron

Green Hydrogen at the lowest affordable prices.

About Cipher Neutron



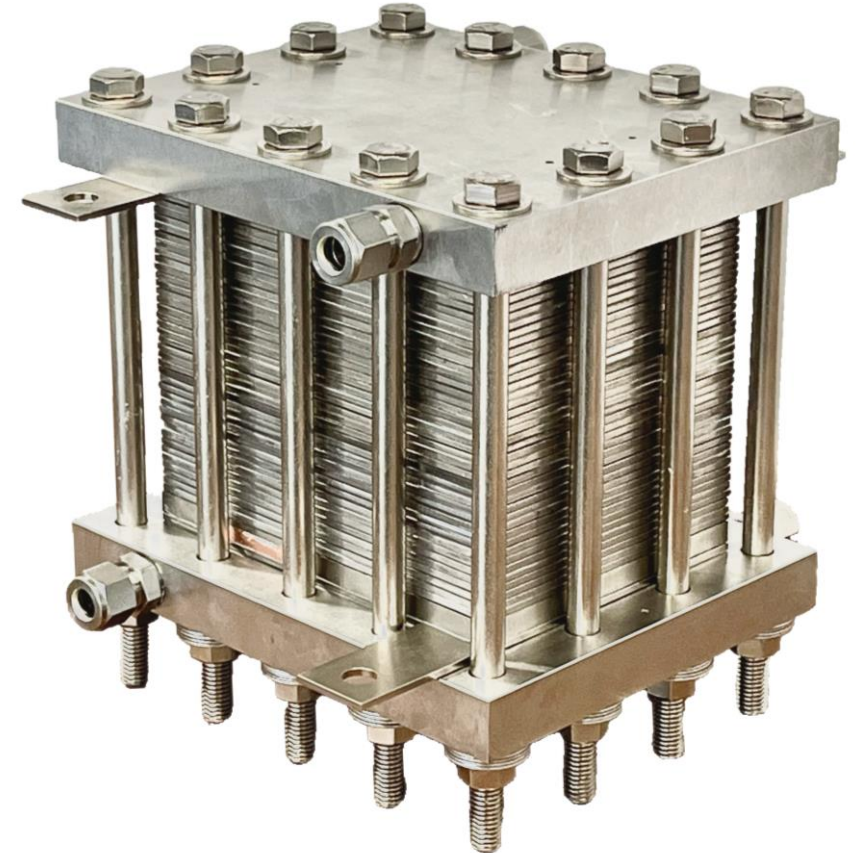
A cleantech company focused on
Low-Cost Green Hydrogen Generation



North America's 1st company marketing
AEM Electrolyser technology



World's 1st to apply for
patent in innovative
Reversible Fuel Cell technology



Hydrogen Market

Existing Market

- Oil & Gas (USD \$40 B)
- Fertilizer (USD \$ 80 B)
- Mining (USD \$ 5 B)
- Chemical industry (USD \$15 B)
- Food industry (USD \$1 B)

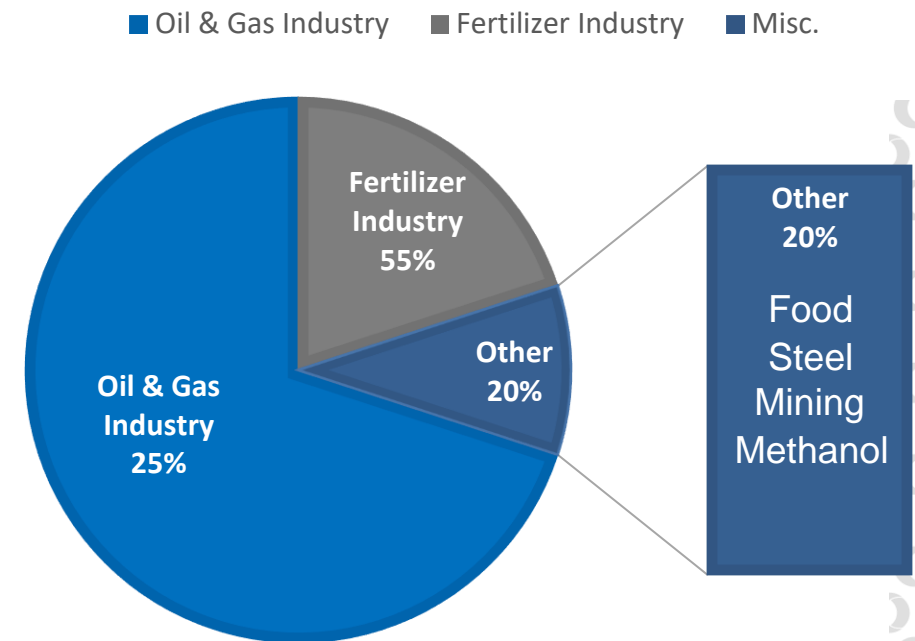


Emerging Market

- Fuel Cell
- Hydrogen IC engine
- Natural Gas Blending
- Steel Manufacturing



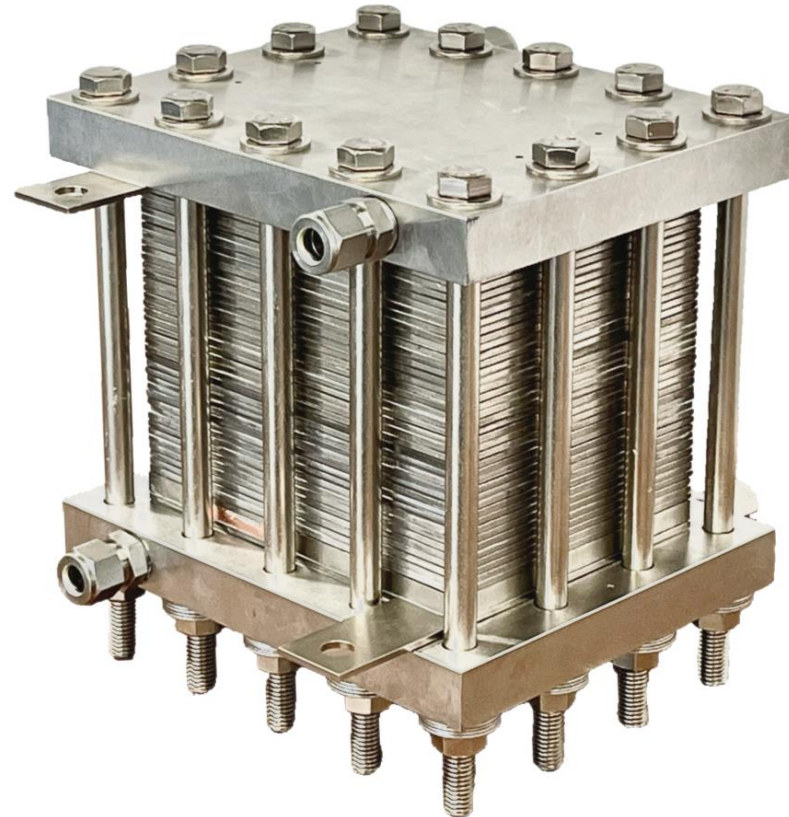
Hydrogen use by Industry



Introducing *dynaCERT's* & Cipher Neutron's AEM Electrolyser

A highly efficient way to produce Green Hydrogen

No use of precious metals as used in PEM electrolyzers



1st North American Company to launch AEM Electrolysers

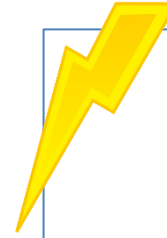
Backed by 22 years of research and development

Our AEM Benefits



Highly Efficient

82% efficiency vs industry standard of 77%



High Ampacity

High current density (2amps/cm²) enables more H2 production per unit area



High Pressure

Eliminates the need for expensive secondary compressors up to 30 bars.



Compact Design

Enables light weight and smaller footprint electrolysers



No Precious Metals

AEM Electrolysers do not use any precious metals as used in other technologies



Price Reduction

Less than \$950 (USD) per kW

1. High Efficiency enables more hydrogen production using the same amount of energy/power. This results in lower operating costs to produce green hydrogen.
2. High Ampacity enables more hydrogen gas from a given area. Alkaline electrolysers have ampacity of around 0.1 amps/cm² Vs 2 amps in our AEM.
3. High Pressure enables easy storage of hydrogen and also eliminates the need to buy expensive hydrogen compressors to compress hydrogen.
4. Compact design enables less material required for the manufacturing of the electrolyser. This leads to lower Capex.
5. No precious metals enables our AEM electrolysers more sustainable and affordable. Precious group metals could also be subject to supply-chain problems coming from hostile nations.
6. Price reduction in AEM is significant due to its compact design and the elimination of expensive rare earth and precious metals.

Future R&D of Cipher Neutron

RFC (Reversible Fuel Cell)

1st Company to have Reversible Fuel Cell with Graphene Storage

Non-compressed Hydrogen Storage



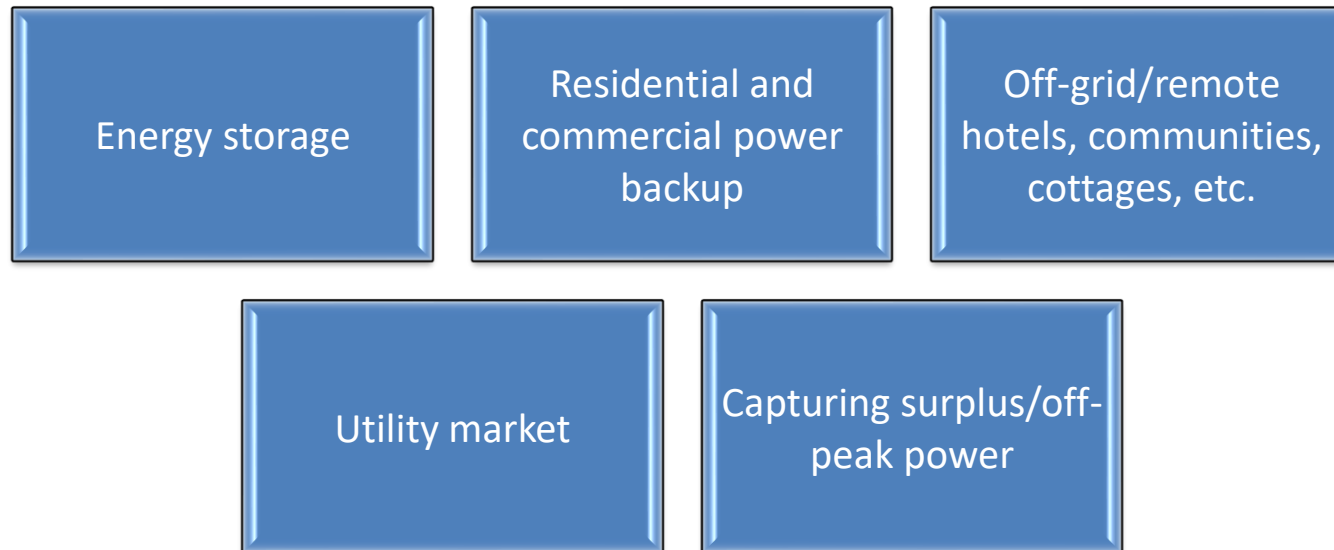
Single system to produce Green Hydrogen and Clean Electricity

Ability to replace Lithium-ion batteries

Patent Pending

Future R&D of Cipher Neutron

RFC Applications



Management



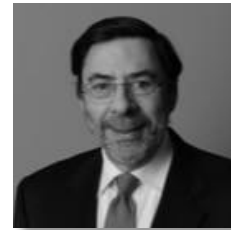
Jim Payne
President, CEO &
Director

- CEO of dynaCERT since 2013
- Previously CEO of privately held consulting, project management and real-estate development company
- Successfully built and managed his own private companies for more than 38 years providing experience in accounting, business leadership, and the legal aspects of governance



Wayne Hofmann
Chairman

- Chartered Accountant
- Former business executive with Deere & Company responsible for mergers and acquisitions; Vice President, Finance and President of John Deere Credit
- Treasurer of Christians For Israel, Canada, responsible for Planning and Development



Jean-Pierre Colin
Executive Vice
President & Director



Khoa Tran
Director of Finance



Enrico Schlaepfer
VP of Global Sales



David Bridge
Technical Advisor

Thank You

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