

HydraGEN™

A GLOBAL SOLUTION TO REDUCE POLLUTION

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CEO, Chairman & Shareholder

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President & Director & Shareholder

Investor Presentation February 2025



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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;
 - Completion 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 securities laws. This presentation/document is not a prospectus or a public offering in any jurisdiction

DRIVING CHANGE FOR A BETTER FUTURE



Introduction of dynaCERT

- dynaCERT is a growing **energy sector** company
- that specializes in delivering **Carbon Emission Reduction Technologies**
- to a **global marketplace**.
- Throughout our **~22 years in business**, we have worked to provide a reliable and effective **electrolysis** unit,
- that generates **hydrogen** and **oxygen** on demand:
- to **reduce emissions** at Internal Combustion Engines
- and to provide an **increase in fuel economy**.

Technological Advantage

Enhanced Combustion

- 1 | On-demand electrolysis unit using distilled water



- 2 | Pure H₂ & O₂ Gases Added



- 3 | Enhanced Combustion

- 4 | Reduces Emissions & Fuel Consumption



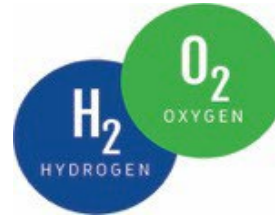
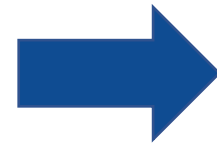
Additional Benefits

- ✓ Reduced Maintenance
- ✓ Less Regeneration Cycles
- ✓ Increased Engine Oil Life
- ✓ Reduced DEF Consumption
- ✓ Cleaner Diesel Particle Filter
- ✓ Automated Data Reporting

HydraLytica™

Data Reporting via Cellular Data to HydraLytica™ App

Patented Hydrogen Production and Delivery



Patented Production System for an optimal mixture of H₂ & O₂ gases.



Patented Smart Electronic Control Unit (ECU).



Patented high output, low energy electrolysis system.

To protect its Intellectual Property, dynaCERT filed a total of 24 patents.

Technological Advantage

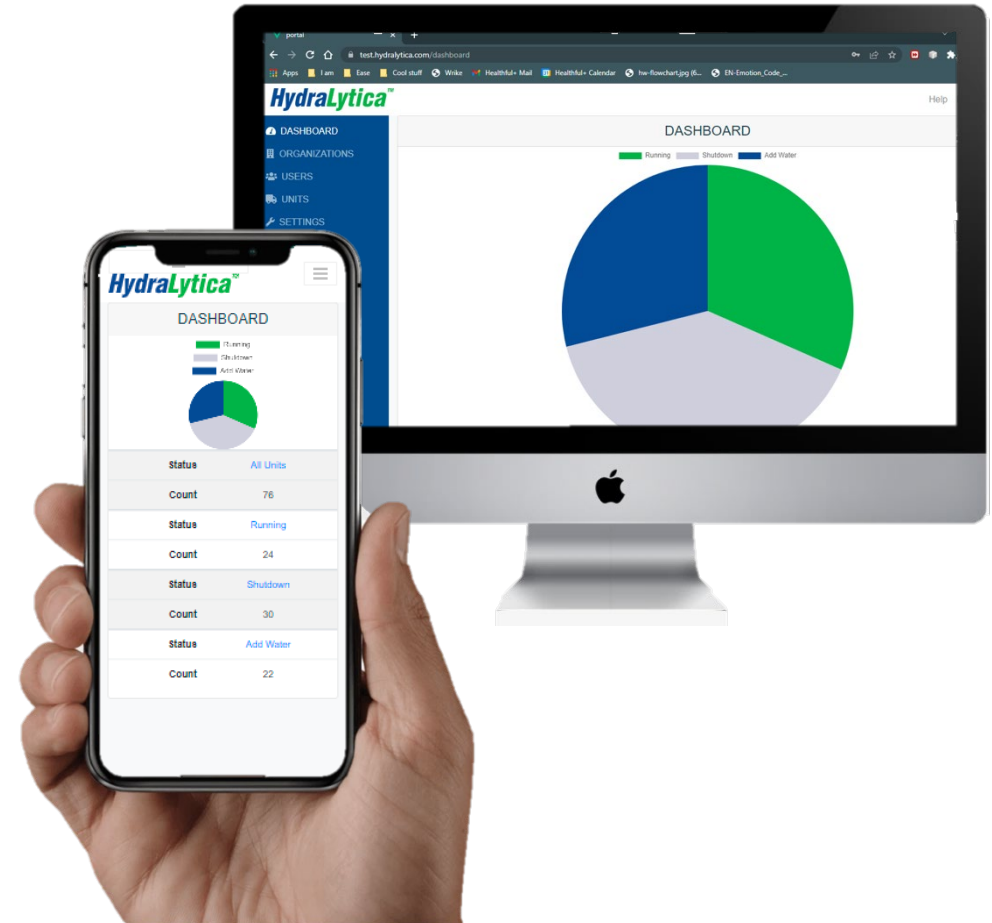
Tracking of Fuel & Emission Reduction at Glance

AUTOMATED REPORTING & ANALYTICS

HydraLytics™ software tracks fleet-wide fuel savings, emission reduction as well as generated carbon credits.

GENERATE PASSIVE REVENUE

Automatically generate **carbon credits** with your new HydraGEN™ system.



Reduced Emissions & Fuel Savings

Dynamometer Test Results



* -9,6%
CO₂

-55,3%
PM^(*1)

-57,7%
THC

-88,7%
NOx

-8,9%
Fuel

(*)The above-mentioned tests results were determined in 2018 by an authorized testing institute on Chassis Dynamometer Tests in Germany. A HydraGEN™ (HG1) unit was installed on a 2018, Euro6 MAN TGX 18.460. In 2019, and 2020, the German Federal Motor Transport Authority (KBA) issued a general operating license (ABE) for dynaCERT's HydraGEN™ technology based on UN-ECE Regulation 143 for MAN & Mercedes engine families.

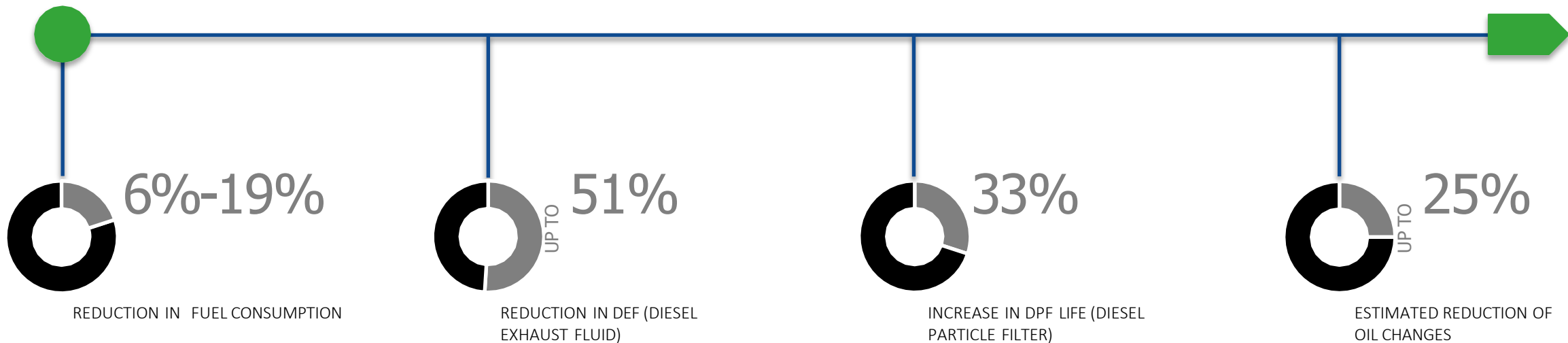
* HydraGEN™ EMITEC REPORT

HydraGEN™ Truck Testing PIT Group Report

(*1) Particulate Matter

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

HydraGEN™

UOIT (University of Ontario Institute of Technology)

PIT Group of 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™



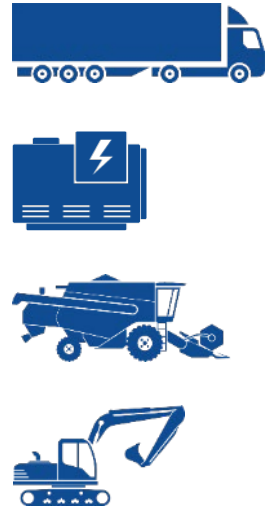


HydraGEN™ Product Line

HG2 Series
1 to 8 litre engines



HG1 Series
10 to 15 litre engines



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



Installation on IVECO Eurocargo 120-220 Euro6 Truck



Mining – Open Pit Installation



Transport & Generation/Oil Fields



Construction Application



Racing Truck France

Installation on Rallye Paris-Dakar Racing Truck



Diverse Applications



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



Served Applications & Target Markets

CURRENT



- Buses



- Refrigerated Trailers



- Small Trucks



- Class 8 Trucks



- Power Generators



- Farming



- Construction



- Mining Equipment & Oil Drill Rigs

INITIATED



- Small Marine Vessels



- Locomotives

FUTURE

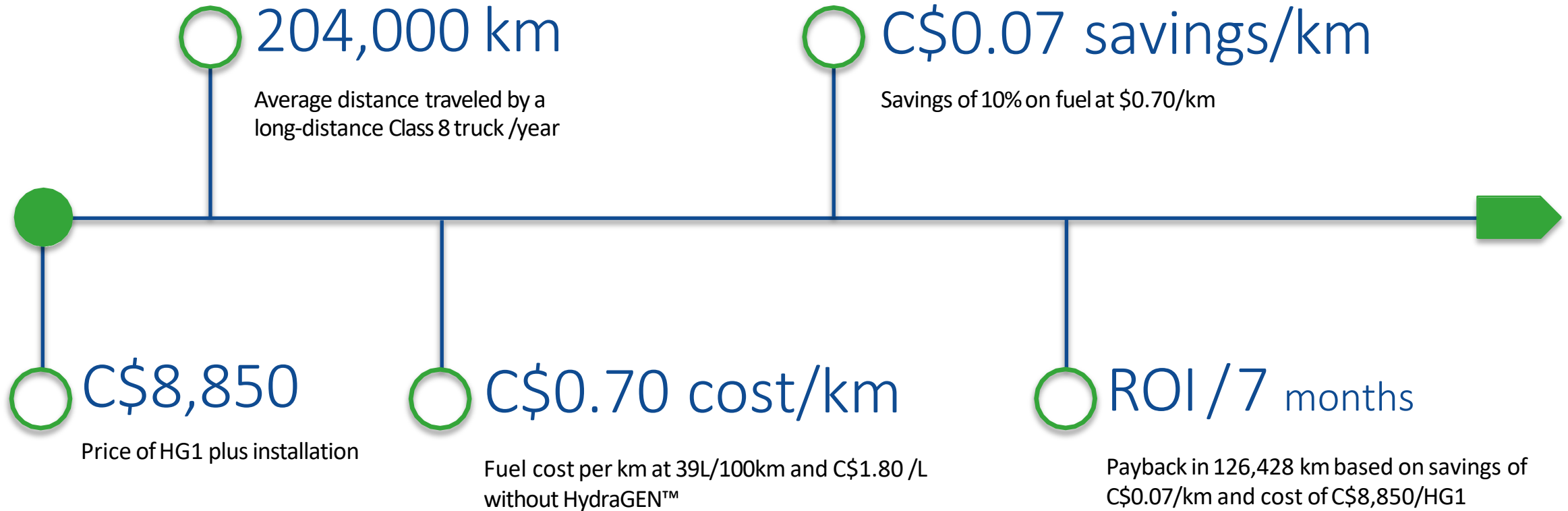


- Passenger vehicles



- Ocean Vessels

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 benefits such as reduction of DPF Filters used, less DEF usage and less oil changes.

- **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

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

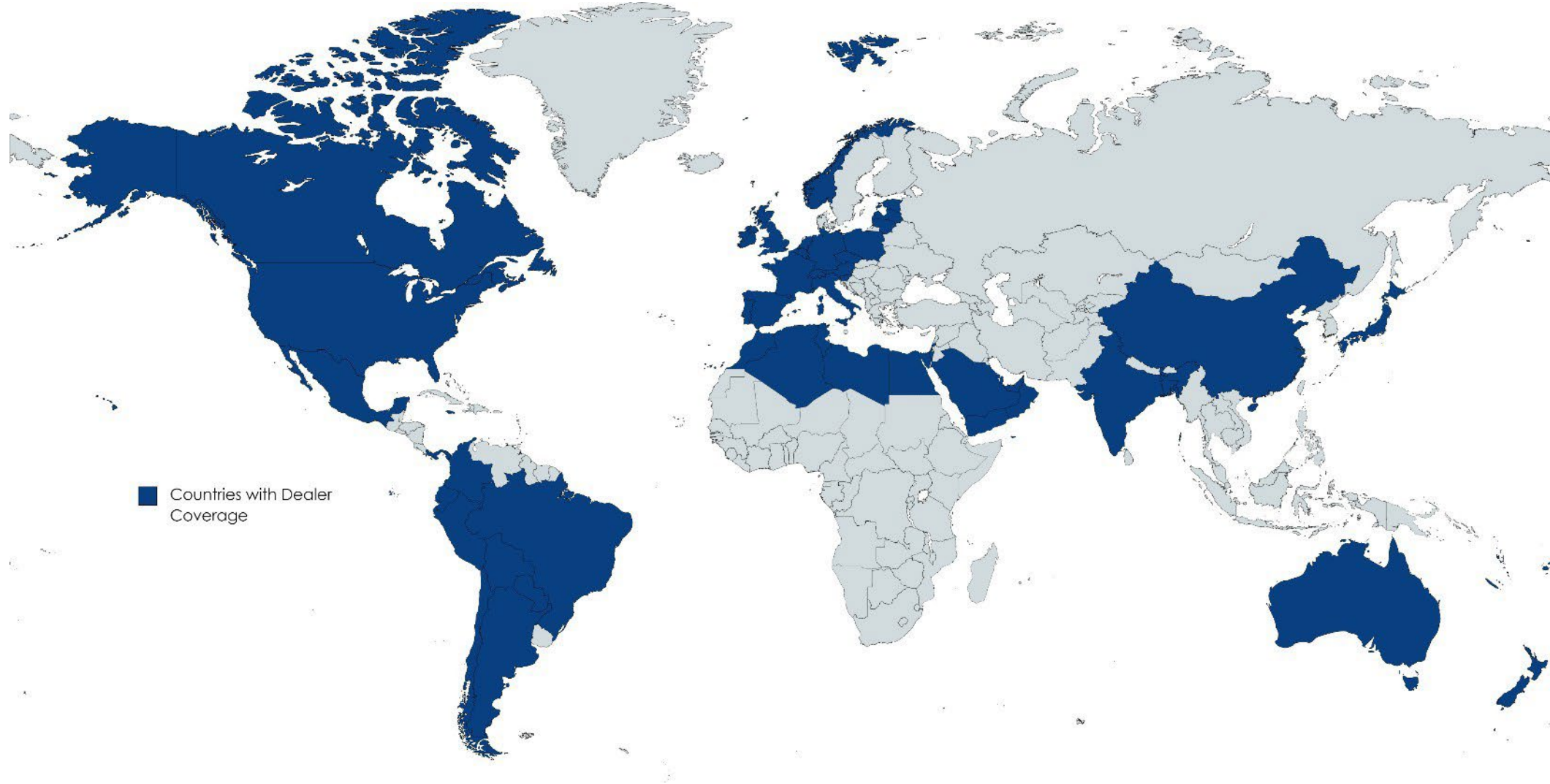
Comparison

- HydraGEN™ is a 3 x Better Proposition



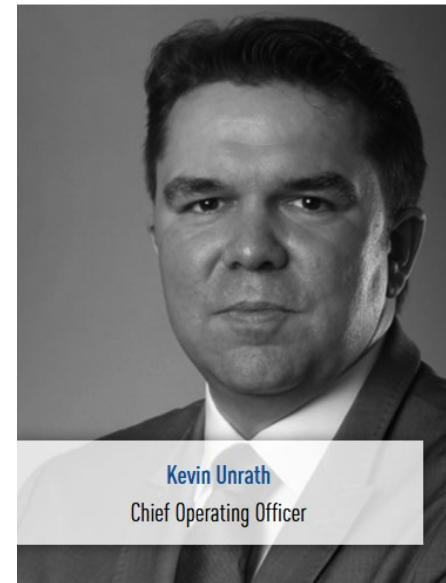
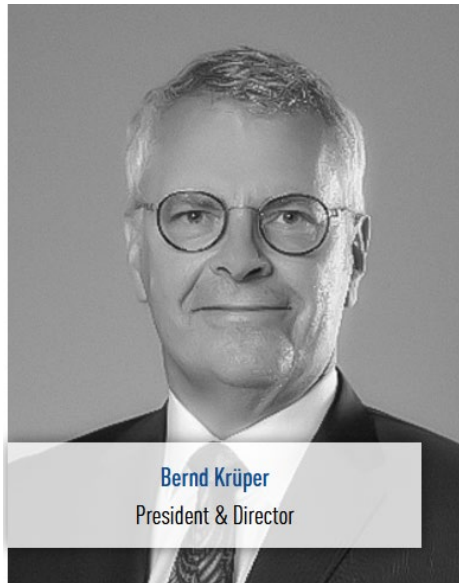
Dealer Network

48 Qualified Dealers & Agents Globally that Service 55 Countries:



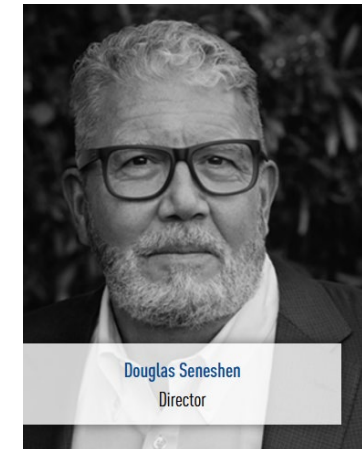
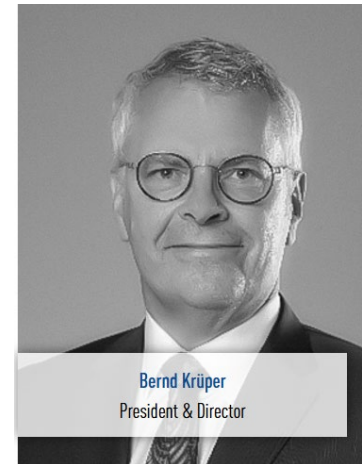
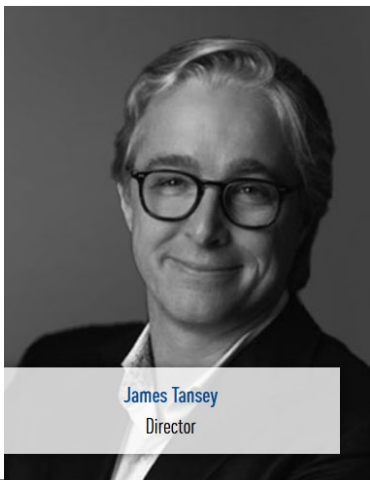
Developments and Changes

- Adding various **competences & skills** to the **Management Team**:
 - **New President** Bernd Krüper (professional expertise in Propulsion Systems, Automotive and Off-Highway, e.g. @ Daimler, Mercedes, MTU, Rolls-Royce, Hatz)
 - **New COO** Kevin Unrath (professional expertise in Propulsion Systems, Automotive and Off-Highway, e.g. @ MAN, Rolls-Royce, Hatz)



Developments and Changes

- Adding various **competences & skills** to the **Board of Directors Team**:
 - **New Non Executive Director James Tansey** (professional expertise in carbon markets, clean technology innovation and impact investing, e.g. as CEO @ Carbon Done Right) Distributor Council)
 - **New Non Executive Director Tanya Rowntree** (held several leadership roles in the securities industry as well as @ TMX)
 - **New Executive Director Bernd Krüper** (professional expertise in Propulsion Systems, Automotive and Off-Highway, e.g. @ Daimler, Mercedes, MTU, Rolls-Royce, Hatz)
 - **New Non-Executive Director Doug Seneshen** (professional expertise in Propulsion Systems, Automotive and Off-Highway as well as in Distribution Business, e.g. @ DDC, Penske Group and North American Distributor Council)



Developments and Changes

- dynaCERT **internal** further **improvement** of **Sourcing, Manufacturing** and **Assembly** with improved **process quality**
 - Basis for product quality
 - Further development of DYA's superior telematics solution "**HydraLytica**"
 - Backbone for intended strong volume increase

- dynaCERT **external Sales** and **Lead Campaign** activities
 - Scaling up and repeat orders from existing customer base
 - Additional, worldwide approaches to potential
 - Applications,
 - Geographies
 - Combustion engine manufacturers
 - Propulsion System and Renewables Development Companies
 - Vehicle OEMs
 - Operators and Fleet Owners



Developments and Changes

- Professionalization of dynaCERT's **European Set Up**:
 - Basis for further business and scaling up in EMEA
 - Preparation for intended localisation within EMEA market
 - Widely **autonomous** business activities incl. homologation, technical, installation and Service capabilities in EMEA

- dynaCERT **received** official **approval** by worldwide leading **Carbon authority VERRA**
 - General approval of dynaCERT's tremendous efforts in realising less emissions and CO2 reductions
 - Definition of process for applying for authorised Carbon Credits for DYA and its customer base



Targeted Impacts of Further Developments

- Goal to significantly increase:
 - Volume
 - Turnover
 - Permanent subscription earnings out of carbon credits
 - Intention to grow DYA's enterprise value and its share price



Verra Carbon Credit

Verified Carbon Standard (VCS) by Verra

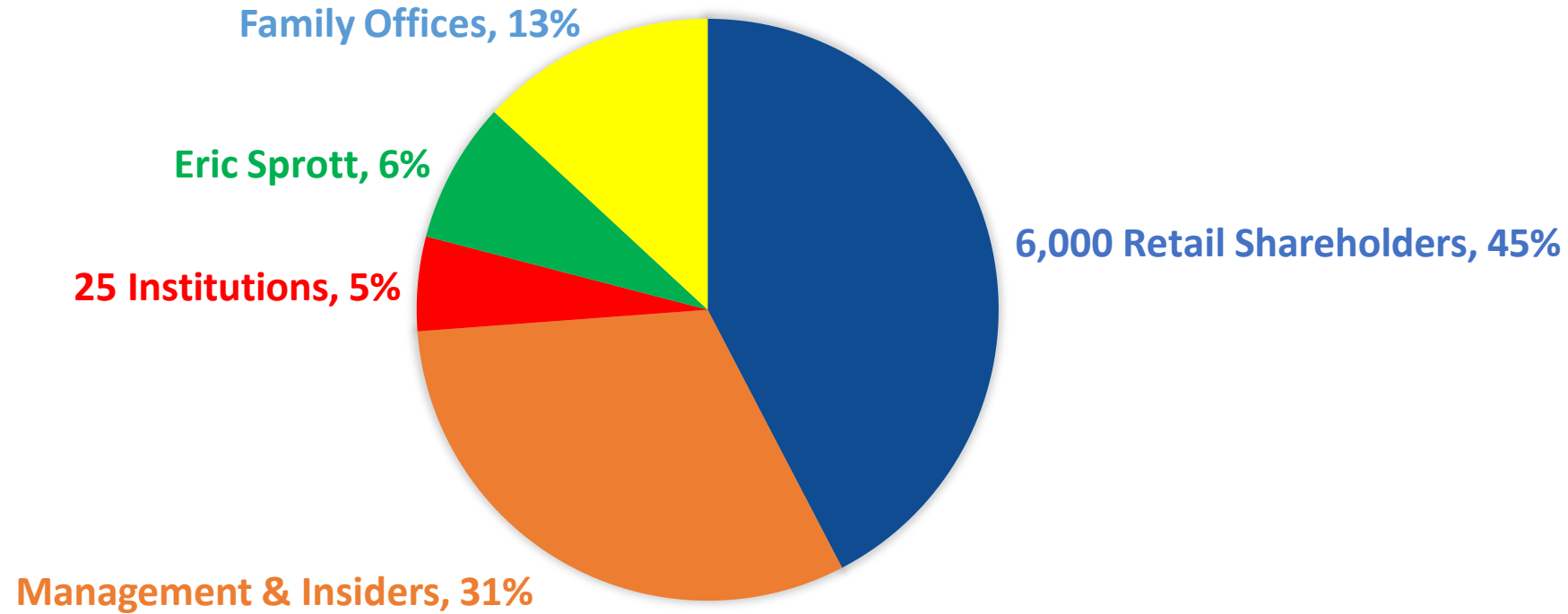
The VCS Program is the world's leading voluntary program for the certification of GHG emission reduction projects

dynaCERT obtained final Verra VCS Methodology approval



Strong Shareholders

APPROXIMATE VALUES



Positioning for the Future

dynaCERT acquired 15% of Cipher Neutron

20% on a fully diluted basis (with exercise of warrants)

Positioning in the Hydrogen Economy for the long term

The logo for Cipher Neutron, featuring the company name in white text on a red rectangular background.

Cipher Neutron

A dynamic splash of clear water against a light blue background, with a red curved shape at the bottom. The water is captured in mid-air, creating a sense of movement and freshness.

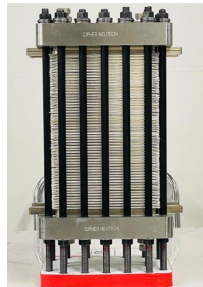
Cipher Neutron

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



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