



# *Fuel Positive*

FUEL FOR A MINDFUL WORLD

INVESTOR  
PRESENTATION  
JUNE 2021



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# Mission Statement

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**The World needs sustainable, clean energy to replace fossil fuels.**

**"The climate crisis has already been solved. We already have all the facts and solutions. All we have to do is to wake up and change."**

**Greta Thunberg**





## Dr. Ibrahim Dincer & Team

- 50,000,000 common shares to Dr. Dincer and his team, of which 35,000,000 issued upon completion of the acquisition and the balance after 12 months
- Dr. Dincer and Team fully engaged in the commercializing the carbon-free NH<sub>3</sub> system and associated technologies.
- Highlights of the expertise of the team include hydrogen and ammonia specialists; engineers and technical experts in the fields of clean energy, carbon capture, chemical fertilizers and integrated energy systems; renewable resource specialists with expertise across multiple clean energy technologies including solar, wind, geothermal, biomass, ocean thermal and hydropower.





# Company Overview

FuelPositive develops sustainable, clean energy technologies

## ➤ Flagship Project: Carbon-Free NH<sub>3</sub>

- Patent pending first-of-its-kind technology
- Enables FuelPositive to produce ammonia (NH<sub>3</sub>) in a zero-emission manner
- Allows for small, medium to large-scale production of ammonia by utilizing only water, air and electricity
- FuelPositive's method for producing ammonia allows it to be used as a cost-effective clean fuel source for combustion engines, fuel cells, and as a source for nitrogen.

**Differentiator:** unlike current NH<sub>3</sub> production, which is among the highest producer of greenhouse gasses per litre produced, **FuelPositive's method requires no hydrocarbons in the manufacturing.**



## Applications of FuelPositive's Technology

### Current Applications

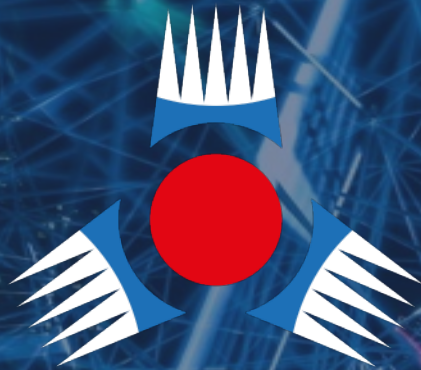
1. Agriculture/fertilizer
2. Water treatment
3. Refrigerants
4. Antiseptic
5. Textile
6. Mining
7. Pharmaceutical

### Future Applications

1. Agriculture/Equipment
2. Trucking
3. Automotive
4. Ocean Freight
5. Rail
6. Power generation/energy storage/grid load-leveling
7. Aviation



The Fuel  
Positive  
Team



*Fuel Positive*  
FUEL FOR A MINDFUL WORLD





# Management, Board & Strategic Advisors

Highly Experienced Board, Management and Consultants

## Ian Clifford

Director, CEO

- Over twenty-five years of experience as a technology marketing strategist
- Successfully led the Company to global brand recognition through its unique energy solutions
- From 2006 to present has raised over \$50 million in equity financing for the Company
- Co-founded digIT Interactive, a full-service Internet marketing company serving Fortune 500 clients sold at the peak of the market

## Dr. Ibrahim Dincer

Inventor, Lead Technologist

- Co-Inventor and Professor
- Automotive, Mechanical and Manufacturing Engineering
- Leading the development of globally sustainable energy solutions.
- Brings expertise in ammonia and hydrogen energy and fuel cells; energy and environment policies and programs; renewable energy solar thermal systems; thermal energy storage systems and implementation techniques
- Runs an exemplary team of graduate and post-graduate PhD's participating in the project

## Greg Gooch

Director, President

- Multifaceted career in the fields of electronics and finance
- Active in funding and advising start-ups and new technology companies for over 40 years.
- Involved with the Company since its early days and has remained a significant supporter and consultant to the company over the years
- Holds a B. Eng. from McGill University and an MBA University of Western Ontario.





# Management, Board & Strategic Advisors

Highly Experienced Board, Management and Consultants

## Dr. Robert Tocchio

Director

- Brings extensive entrepreneurial experience in a wide array of private and public start-up investments
- Operated a successful orthodontic practice for over 25 years
- Has sat on various boards, most notably as a Founder and Board Member of Medisystem Technologies, which went public and was sold to Shoppers Drug Mart
- Has been one of the most significant and consistent supporters since the Company went public in 2006

## Luna Clifford

Strategic Communications

- Extensive studies in communications and healthcare
- 10 years of experience as a business owner and advisor
- Helped build and operate several successful start-up businesses, managing complex stakeholder relationships
- Strategic planning and team building skills
- Innovative and intuitive thinker

## Marek Warunkiewicz

Director, Communications and Branding Specialist

- 40-plus year entrepreneur, primarily in the areas of marketing, branding, advertising, project management and graphic design.
- Has worked as a Creative Director and VP of Marketing
- Has created successful marketing/advertising campaigns, primarily in the area of business-to-business marketing, for a diverse group of clients ranging from high tech to agriculture

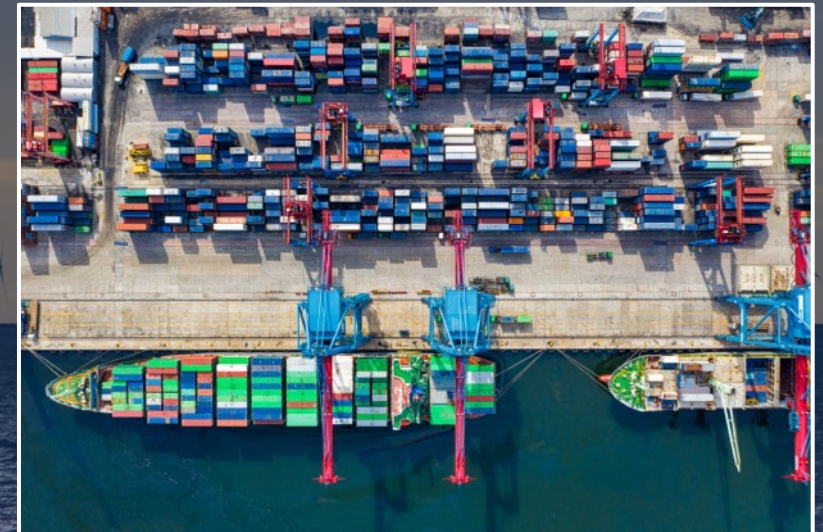


# Market Potential



**+75 BILLION USD**

200 Million Metric tons of  $\text{NH}_3$  are consumed per year  
=  
**+\$75 Billion USD** annually at CAGR >5%

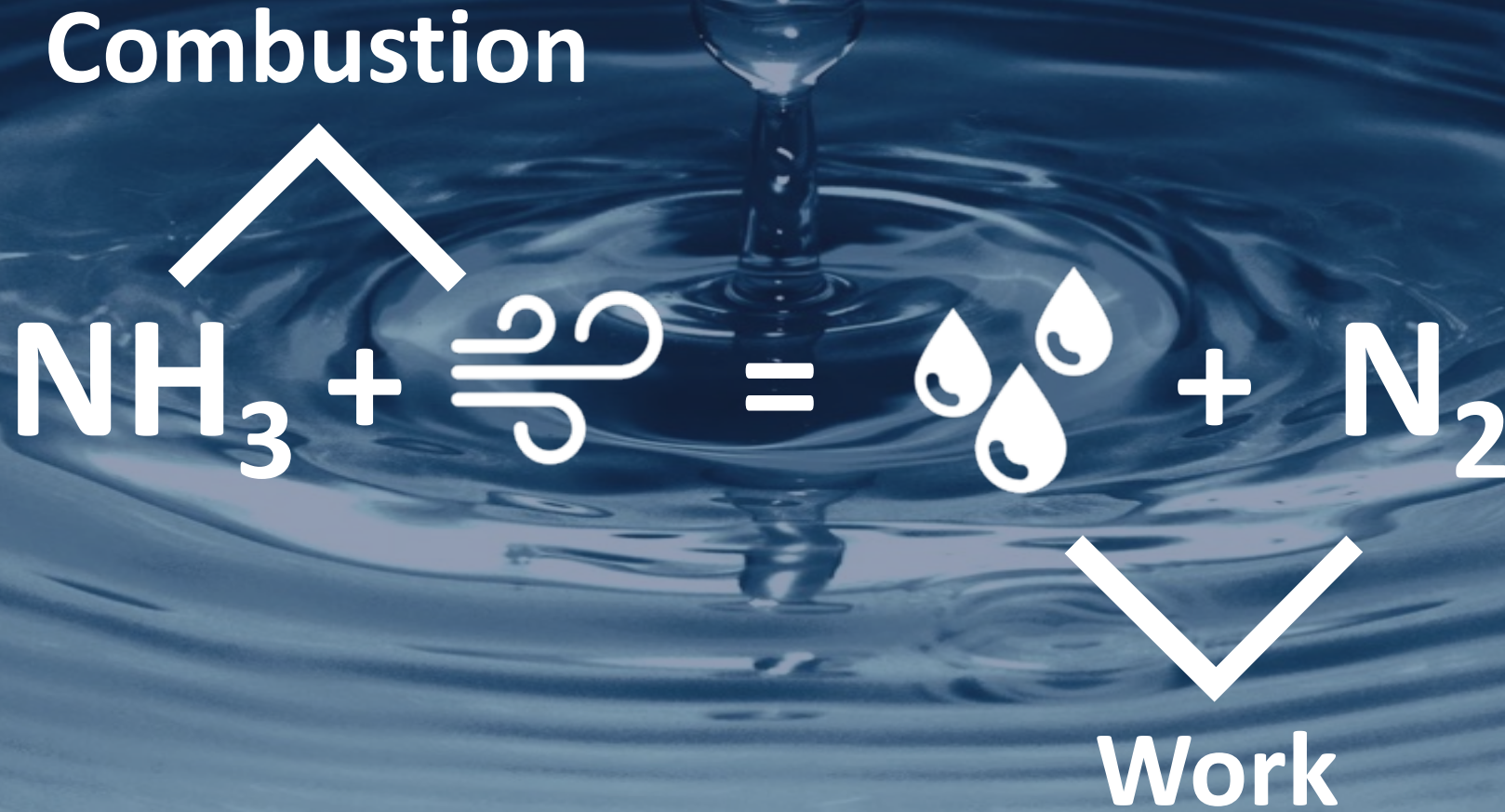






# Why We Matter?

The World needs sustainable, clean energy to replace fossil fuels







# How We Do It

Ammonia as a clean fuel source

## Carbon-Free NH<sub>3</sub>

- Entirely sustainable and non-polluting production
- Ideal in conjunction with solar, wind and other renewable electricity generation
- Potential to enable both solar and wind generation to become primary electrical grid supply, as opposed to intermittent sources of electricity generation
- Current estimates for moderate scale production would supply NH<sub>3</sub> at approximately **30% less energy required than current ammonia production**, with an entirely non-polluting production process





# The Hydrogen Economy

## Problems and Solutions

### The Problems

- Making Hydrogen:
  - Electrolysis – Energy intensive
  - Steam Reforming – Requires CO<sub>2</sub> Sequestration and is energy intensive
- Distribution:
  - Difficult
  - Virtually non-existent
  - Requires a build from the ground up
- Storage:
  - Difficult
  - Extremely explosive even in low concentrations

### The Solution – Carbon Free Ammonia

- Uses 30% less energy to make Ammonia than to compress Hydrogen
- Ammonia stores 65% more Hydrogen than highly-compressed Hydrogen
- Increasing recognition of Ammonia as a carrier of Hydrogen
- Lower cost
- Existing distribution infrastructure of over 200 million tons used worldwide
  - Trucks
  - Pipelines
  - Storage
  - 120 Ports worldwide equipped to handle Ammonia
- Easy and cost-effective conversion of all vehicles to burn Ammonia
- No CO<sub>2</sub> emissions
- Not explosive and easy to store
- Methods of handling and storage are well known
- Existing and extensive risk mitigation





# Existing Global Market for Ammonia

## Ammonia Markets, Volume (%), by End-user Industry, Global, 2018

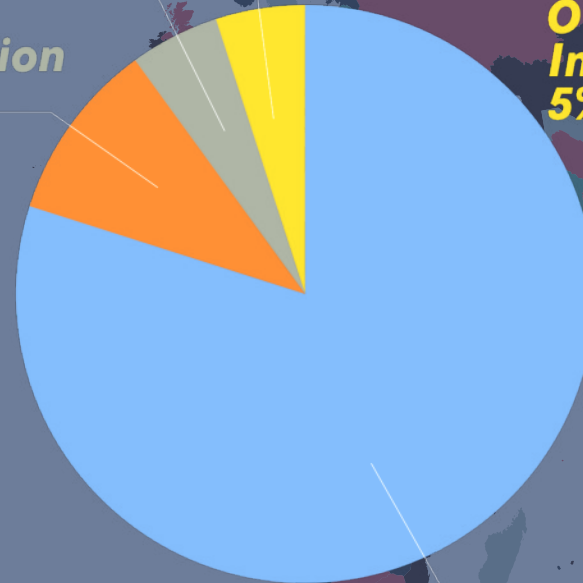
Based on a \$75 Billion Global Market - Rounded Numbers - Source: Multiple

**Mining**  
5% - \$3.75 Billion

**Textiles**  
10%  
~\$7.5 Billion

**Other End-User Industries**  
5% - \$3.75 Billion

**Agriculture**  
80%  
~\$60 Billion





# Applications for FuelPositive Technology



- Conventional Agribusiness is amongst the most polluting industries on the planet
- And is responsible for more greenhouse gas emissions than transportation every year

**+80%**

of  $\text{NH}_3$  is consumed by the fertilizer industry, with smaller applications in waste water treatment, refrigerants, antiseptic, textile, mining and pharmaceutical industries



# Applications for FuelPositive Technology



## +2 Billion

Internal Combustion Engine vehicles on the road today

## Carbon-Free $\text{NH}_3$

Can used to power these vehicles



Refueling  
Infrastructure



Conversion Technology




Renewable Electricity





# Competitive Landscape

How FuelPositive compares to other leading energy technologies.

	 Fuel Positive	How Fuel Positive Compares to Other Leading Energy Technologies			
		Haber-Bosch Process	Chemical Battery	Hydrogen Fuel Cell	Gasoline/LPG/NG Combustion
Energy Production	Zero Emission	Very Pollutive	Pollutive	Zero Emission	Very Pollutive
Cost to Produce	30% Less Energy	Expensive	Very Costly	Very Costly	More Expensive
Exhaust	Water or Water Vapour and N <sub>2</sub>	Water or Water Vapour and N <sub>2</sub>	Zero Emission <sup>1</sup>	Water or Water Vapour and N <sub>2</sub>	Hydrocarbons
Energy Storage	Liquid Tank	Liquid Tank	Complex Battery	Compressed Gas	Liquid Tank
Recharging/Fueling	Fast	Fast	Hours	Longer	Fast
Infrastructure	Existing	Existing	Charging Stations	Complex	Existing
Use in Vehicles	New or Modest Retrofit	New or Modest Retrofit	New	New	Conventional
Energy Density/litre <sup>2</sup>	High with Zero Emissions	High with Toxic Emissions at Manufacture	Low	Moderate	High with Toxic Emissions

1 - Not accounting for the environmental cost of raw materials, production and cost of disposal.

2 - Throughout the full life-cycle



# FuelPositive's Business Model



**Kick Off  
Phase II  
commercial  
output system**



**Additional  
Intellectual  
Property  
protection**



**Lining up pilot  
project  
applications  
for portable  
NH<sub>3</sub> systems**



**Secure direct  
sales channel  
and  
sublicensees  
for the  
technology**





# Rollout Plan

## Commercial Prototype Showcase Systems

- Commercially relevant output of liquid ammonia per day  
**Cost validation and verification for scaled up system**
- In contract discussions with manufacturing partner with over 40 years experience in the field; Intention is to build mobile demonstration systems as part of Phase II project in a shipping container format







# Rollout Plan

Initial Demonstration Projects

- Sustainable Agriculture
- Sustainable Long-Range Trucking: Depot-to-Depot format





# Milestones

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## 2021

- ✓ **Q1 2021:** Acquisition
- ✓ **Q2 2021:** Commencement of Build-out of Phase II shipping container system/modules
- ☐ **Q3 2021:** Initial Licensing Agreements
- ☐ **Q4 2021:** Completion of Build-out of Phase II systems

## 2022

- ☐ **Q1 2022:** Systems in place for demonstration projects
- ☐ **Q2 2022:** Ramp-up of production capability
- ☐ **Q3 2022:** Ramp-up of production capability
- ☐ **Q4 2022:** shipping of commercial systems



# Share Metrics



## Capital Structure

TSXV: NHHH    OTC: ZNNMF	
Share Price	C\$0.32
52-Week Price Range	C\$0.01-C\$0.40
Market Cap	C\$61.5 M
Shares Outstanding (Basic)	199,723,814
Warrants	83,034,854
Options	25,270,000
Fully Diluted Shares	308,028,668
<b>Management, Board &amp; Insider Ownership</b>	<b>~20%</b>

*\*All data as of June 1, 2021*

*\*See financial statements on [www.sedar.com](http://www.sedar.com) for price & expiry*

## 52-Week Price Chart



- Institutions constitute approximately 60% ownership





# Investment Highlights

- **Patent Pending Technology:** Carbon-Free NH<sub>3</sub> is a first-of-its-kind technology
  - CMBT Solid state energy storage holds over 10 global patents and is undergoing further advancements
- **Market Potential:** +\$75 Billion USD annually in current commercial uses alone. Adding new ammonia uses utilizing the company's Carbon-Free NH<sub>3</sub> dramatically increases the market potential.
- **Cost Effective:** FuelPositive will produce NH<sub>3</sub> at 30% less energy than current methods with an added bonus of significant Carbon Credit value
- **Global Green Initiative:** The imperative for a sustainable hydrogen economy has never been more important and carbon free NH<sub>3</sub> will play a vital role in enabling the hydrogen economy

## Potential Partnerships

Sustainable Food Production	Green Energy Production	
Agricultural Applications		
  Knowledge grows 	Vehicle Propulsion Systems	
Green Energy Producers		
Aviation Fuel		



# Contact

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