

# PHOTOCATA *LINE*

Creating a sustainable loop for a sustainable world.



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FOUNDER & CEO

An aerial night view of a city, likely Dubai, showing a complex road network and illuminated buildings. A semi-transparent hexagonal grid is overlaid on the image, with some cells filled with a light blue color. The overall color palette is dominated by blues and oranges from the city lights.

# GLOBAL MOBILITY WORLD

1.5 B  
people

# People trapped in a One - Way Mechanism.

 Charge / Fuel

 Drive

CO<sub>2</sub> emission  
point

 Charge / Fuel

CO<sub>2</sub> emission  
point

 Drive

 Charge / Fuel

▲ CRITICAL SYSTEM FAILURE

# Problems with Current Mobility World



**FUEL COST**

**\$ 2 .0 k /yr**

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Unavoidable cost  
of fuel & charging



**ACCESS PENALTY**

**\$ 5 .5 k / yr**

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Charges & emission fines



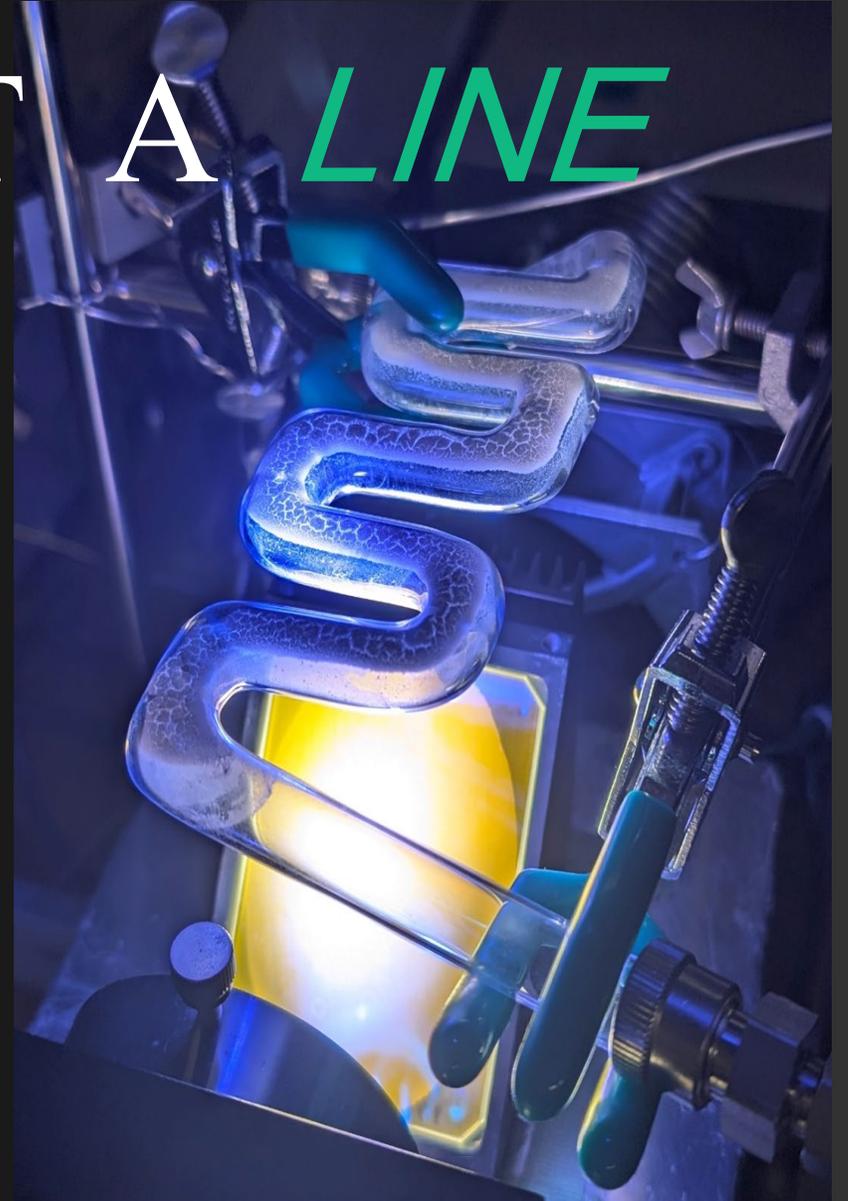
**VEHICLE LIFETIME**

**10 Years**

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Limited lifespan of EVs  
due to battery deterioration

# PHOTOCATALA *LINE*

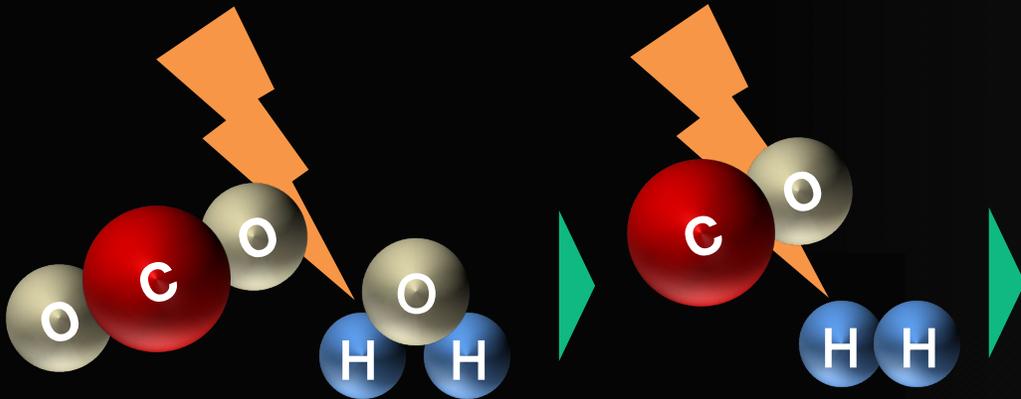


CORE TECHNOLOGY

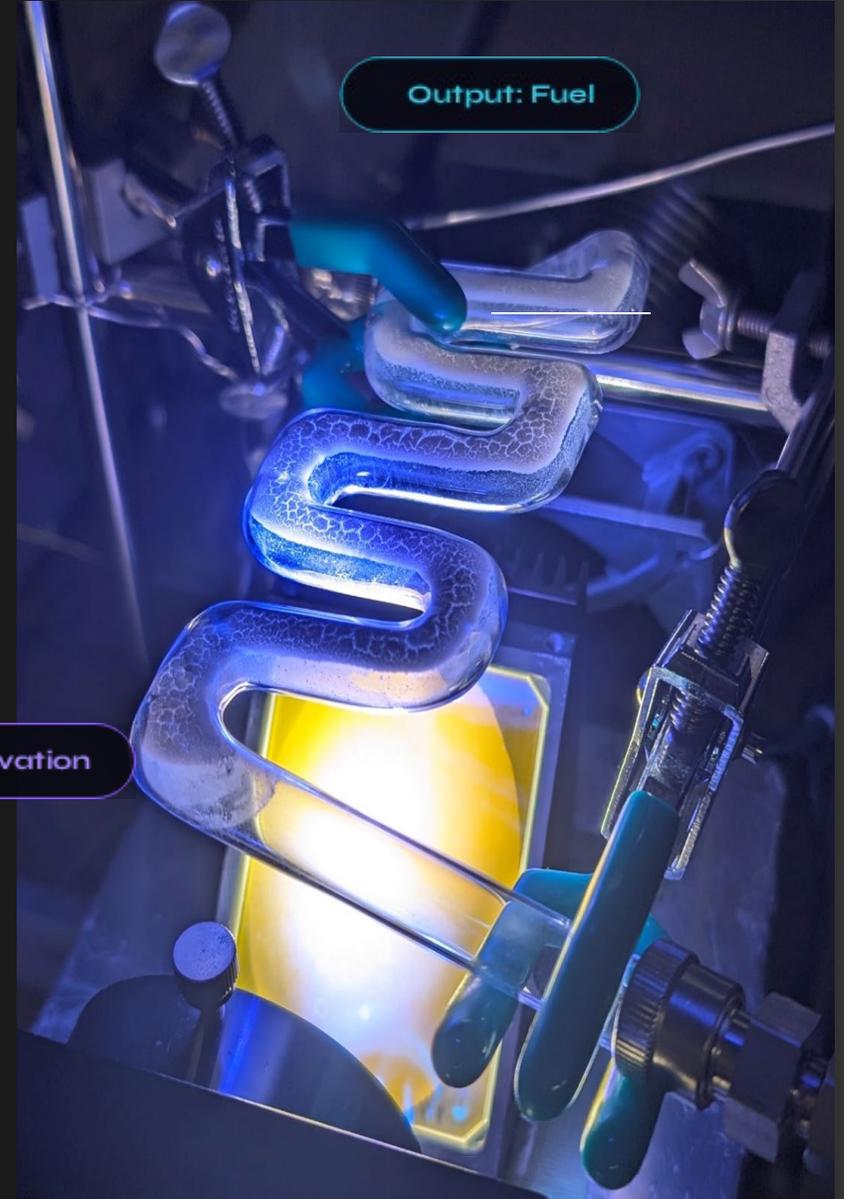
# Artificial Photosynthesis



Direct Conversion:



Photocatalysts



# People trapped in a One - Way Mechanism.

 Charge / Fuel

 Drive

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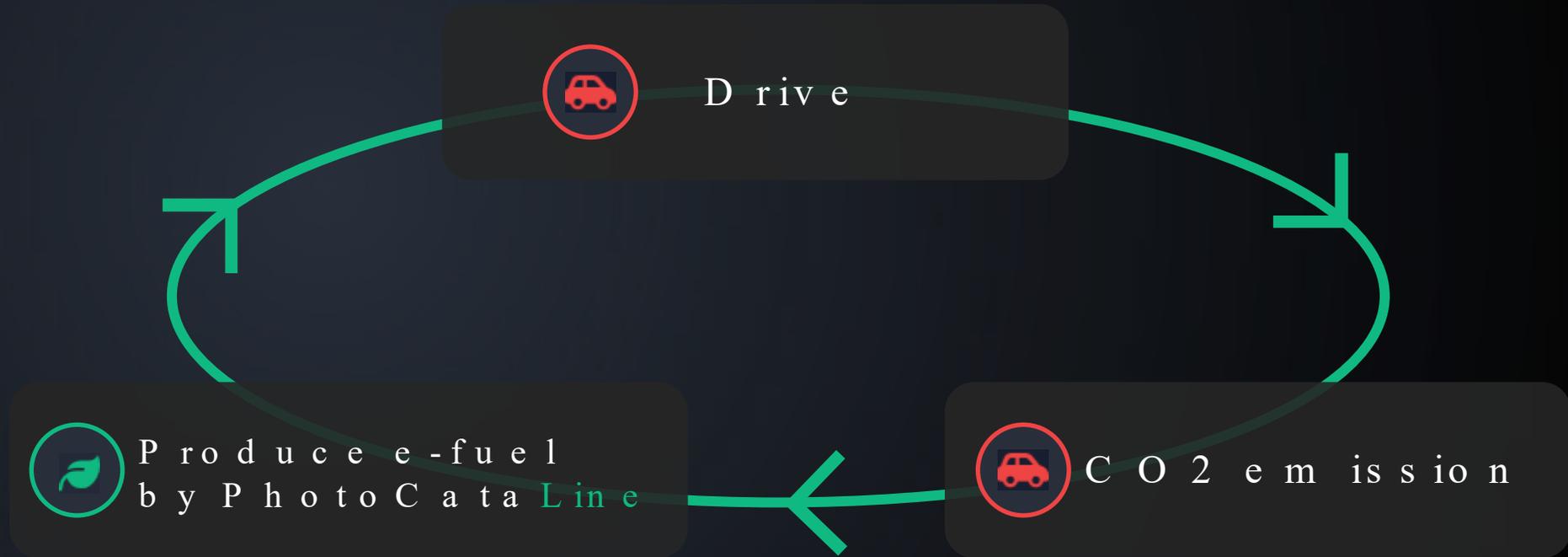
 Drive

 Charge / Fuel

THE SOLUTION

# C l o s i n g T h e L o o p

Replacing the linear "consume & waste" model with a self-sustaining circular ecosystem.



IMPACT REALIZED

# THE ZERO-COST FUTURE BY CLOSING THE LOOP.



FUEL COST

\$ 0 /yr

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Self-generating fuel from CO<sub>2</sub>



ACCESS PENALTY

\$ 0 / yr

---

No charges & emission fines



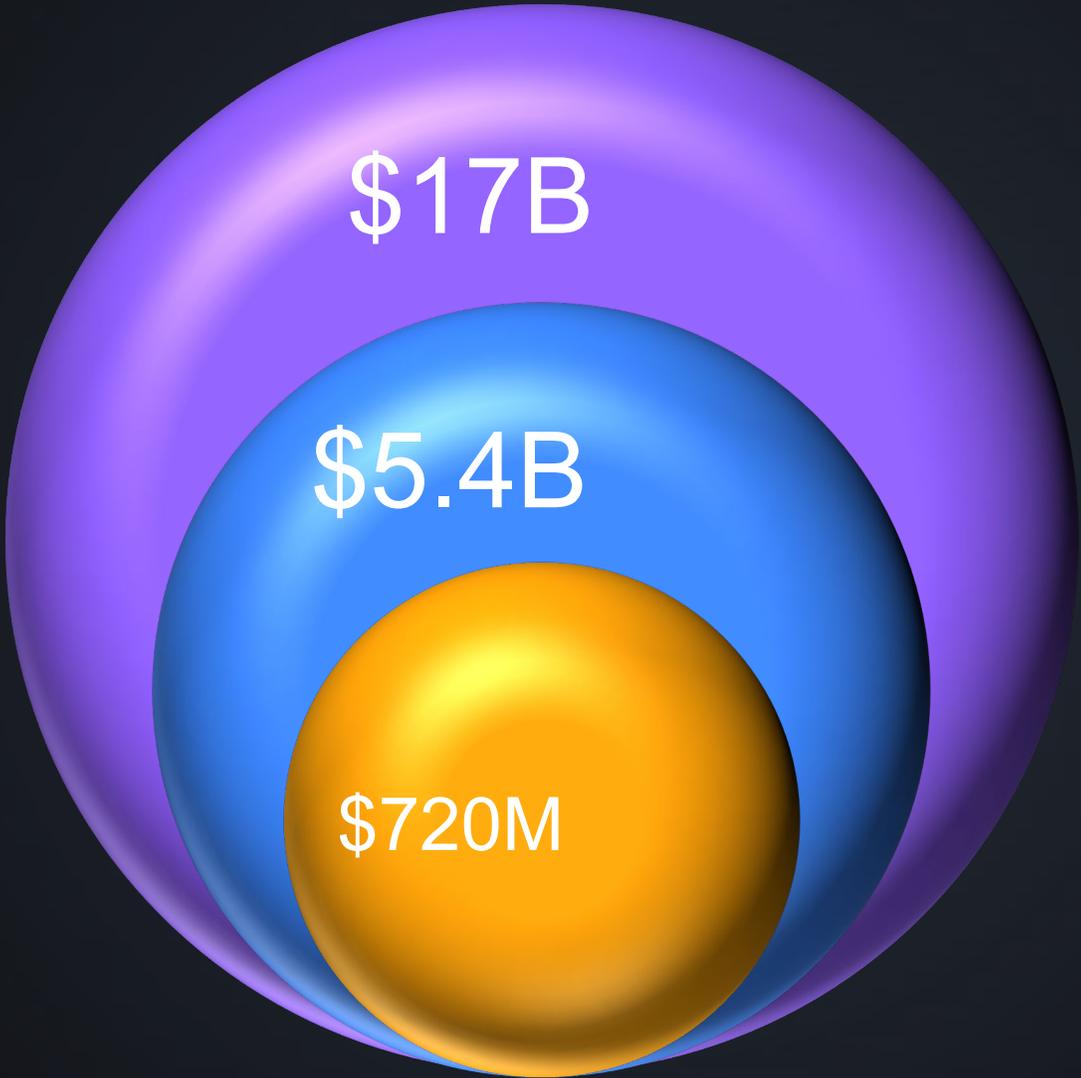
VEHICLE LIFESPAN

20 + Years

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Durable as gas-powered cars  
Clean as EVs.

# Market Opportunity



## TOTAL ADDRESSABLE MARKET

1.4B Vehicles \$17B

Global gas - powered Cars Market

## SERVICEABLE AVAILABLE MARKET

60M Vehicles \$5.4B\*

Global Sunbelt & Commercial Sectors

## SERVICEABLE OBTAINABLE MARKET

450K Vehicles \$720M

Sunbelt Last - Mile Delivery Fleets

# B 2 B I n t e g r a t i o n E c o s y s t e m

Seamlessly integrating zero-emission technology into the existing automotive supply chain.



# C o m p e t i t i o n

## PhotoCataLine

Zero emission, No fuel costs & long lifespan

## EVs (e.g., Tesla)

Clean, but short lifespan & fuel costs.

## Gas-powered Vehicles

Long lifespan, but High penalties & fuel costs.



TECHNOLOGY ROADMAP

FROM LAB TO GLOBAL STANDARD

We succeeded to generate syngas  
from CO<sub>2</sub> and water with UV -light!

2026

Startup company

2027

Gas-phase reaction

2028

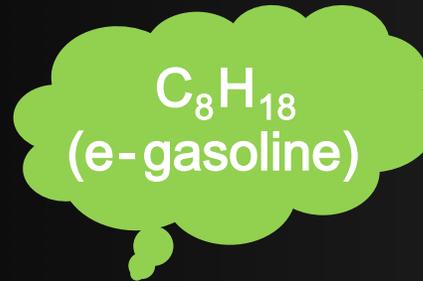
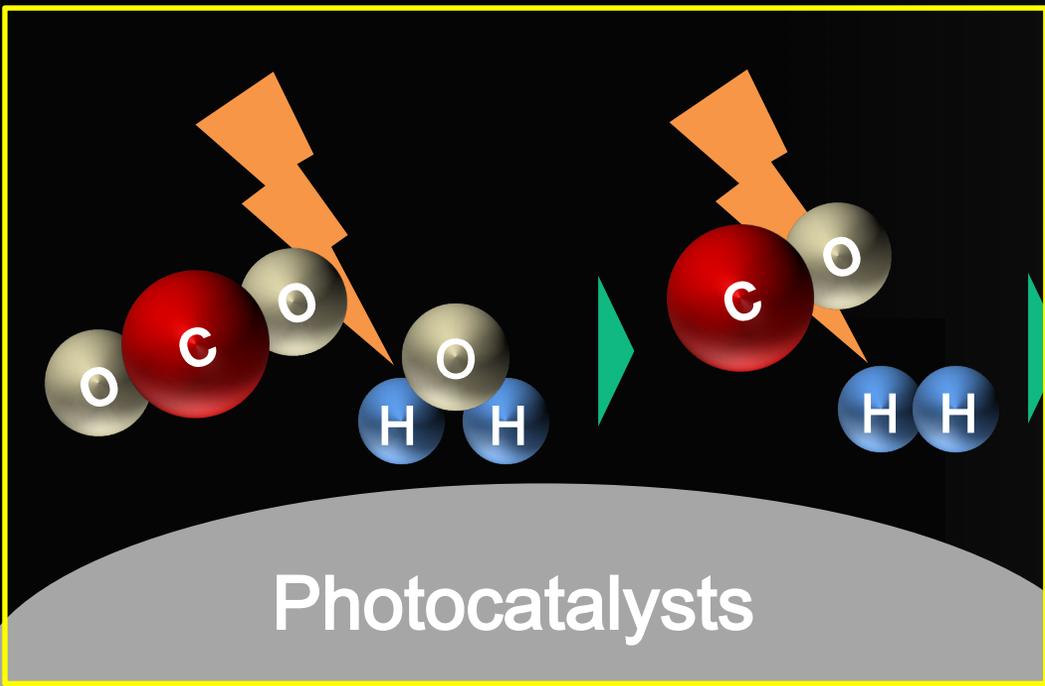
Generate e-gasoline

2030

Attach reactor  
to cars

2040 +

Achieve Net -Zero

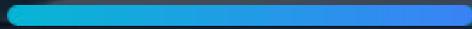


# Raising

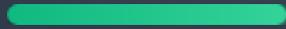
# \$1M

## Use of Funds

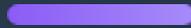
Patent filing



Acquire 5 pilots



Develop MVP



PHOTOCATALYST *LINE*



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# The Fueling Evolution.