

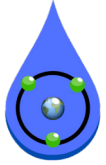


RAINIONS

Removes CO2 and Air Pollutants at the Source of Exhaust

Decarbonizes – Carbon Credit

Low- cost solution for New and Retrofit automotive markets



Why RainIons ?

- Market Trends
 - Decarbonization: Huge opportunity
 - Global Economic recession slowing down transition to Electrification
 - Current catalytic converters : economic, social and ecological impact
- Our Solution
 - Assist with Climate change and air pollution during transition phase
 - Value propositions
 - Prototype Phase
- How can we help

The Decarbonization Market : Huge opportunity for Automotive

Other Automakers Paid Tesla a Record \$428 Million Last Quarter

Automakers buy regulatory credits, and a lot of them, from Tesla in order to comply with emissions regulations around the world.



BY COLIN BERESFORD JUL 22, 2020

Forbes

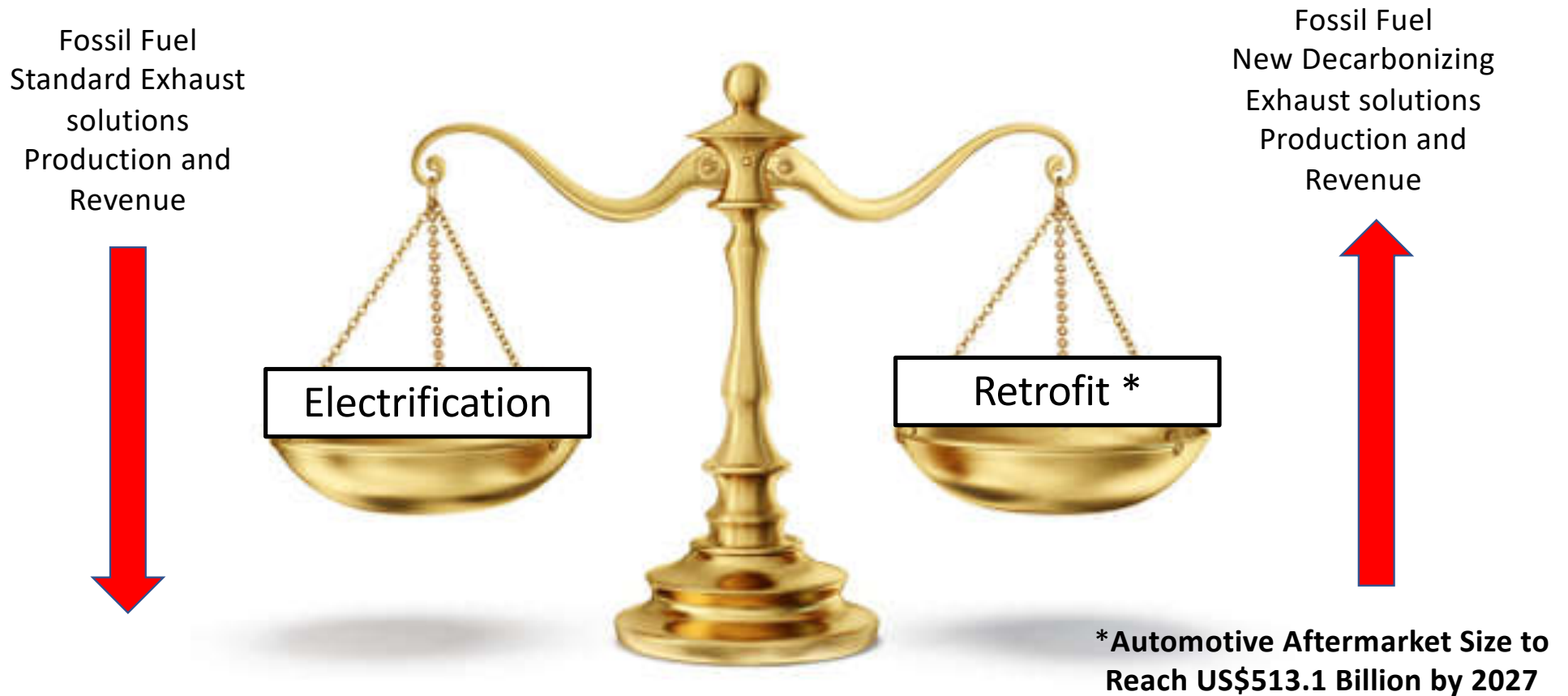
**In Midst Of COVID-19,
Auto Faces The Next Big
Challenge — Carbon
Neutrality**

World's carbon markets grow 34% in value to \$215 billion in 2019 - report

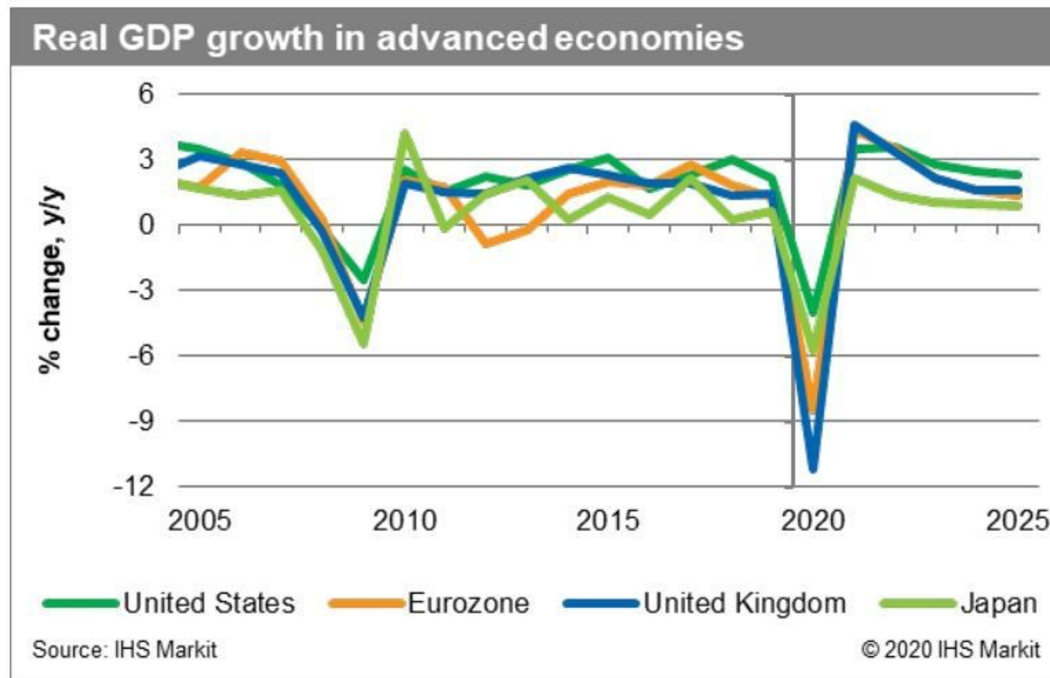
Published 21:34 on January 22, 2020 / Last updated at 00:22 on September 4, 2020 / Africa, Americas, Asia Pacific, Australia, Aviation/CORSIA, Canada, Carbon Taxes, China, China's National ETS, China's Offset Market, China's Pilot Markets, EMEA, EU ETS, International, Kyoto Mechanisms, Mexico, Middle East, New Market Mechanisms, New Zealand, Other APAC, South & Central, South Korea, Switzerland, US / No Comments

Global carbon markets grew by 34% in 2019 to hit €194 billion (\$215.1 bln) in value, according to analysts at Refinitiv, marking a third straight year of growth and a nearly fivefold increase in two years.

The Decarbonization Avenues for Automotive to reach Equilibrium



Global Economic Recession will slow down Electrification



- Global debt increased by \$24T in a year due to the pandemic
- Deepest recession since World war II
- Per capita incomes expected to drop by 3.6%
- Global automotive demand fallen by 7% in 2020

Catalytic Converters: are these sustainable economically ?

Stricter Regulations



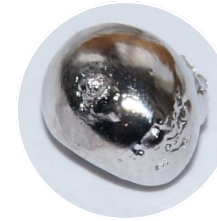
Have resulted in higher material costs

Replacement Cost



Average replacement cost for catalytic convertor ranges from \$945 - \$2475

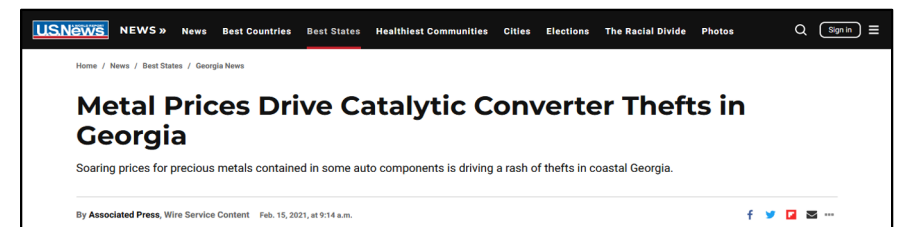
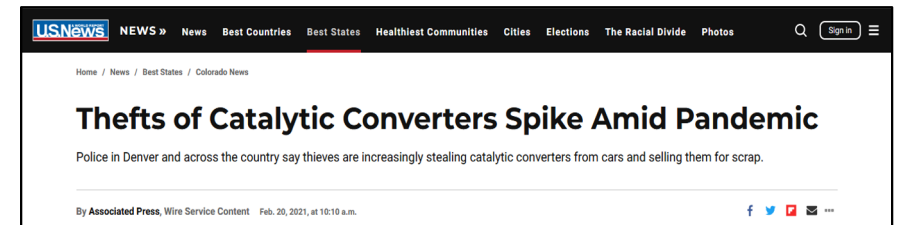
Precious Material Cost



Palladium: \$500/ounce in 2015 to \$2875/ounce in 2020

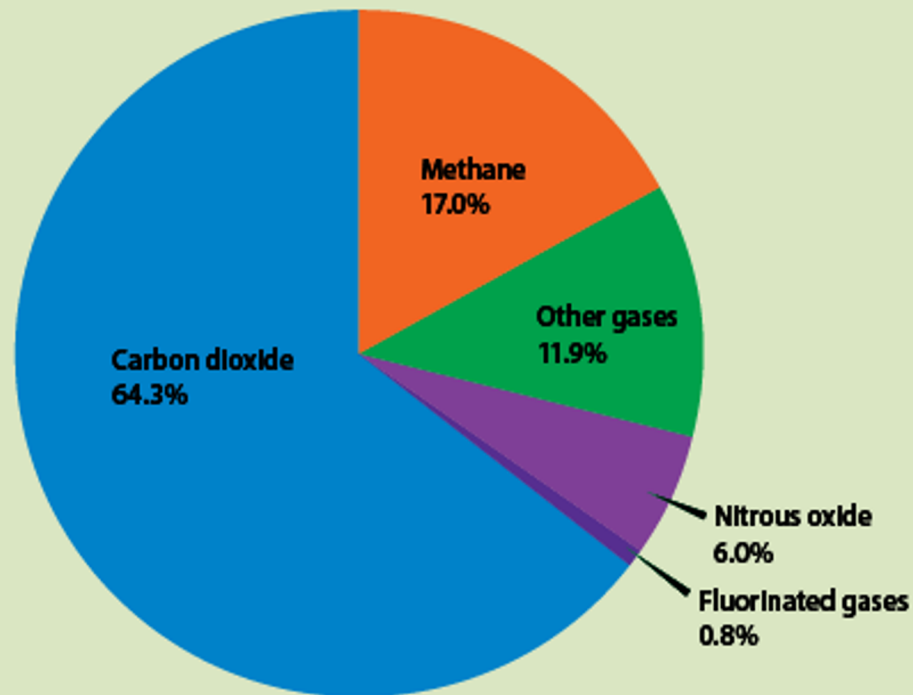
Rhodium: \$640/ounce in 2015 to \$21,900/ounce in 2021

Catalytic Converters : are these sustainable socially ?

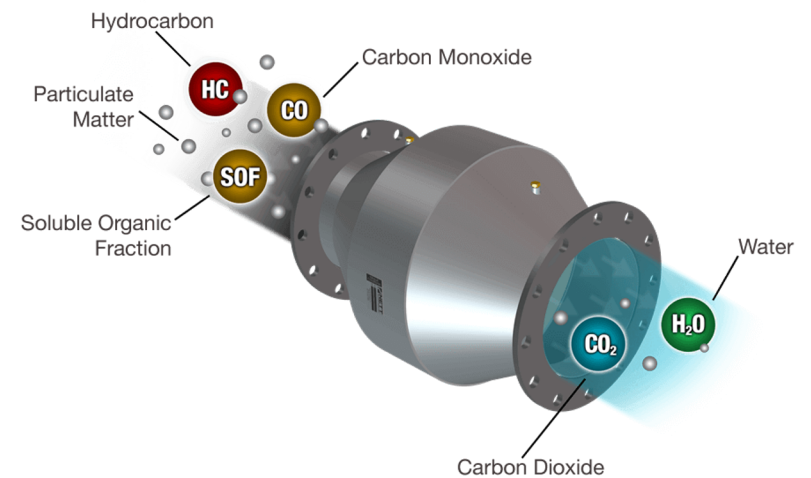


Catalytic converters – are these fully sustainable for Carbon emission ?

Major Greenhouse Gases from People's Activities



1. Catalysts perform oxidation, **emits CO₂**
2. **10% more CO₂ emissions** with a three-way catalyst, due to more fuel combustion





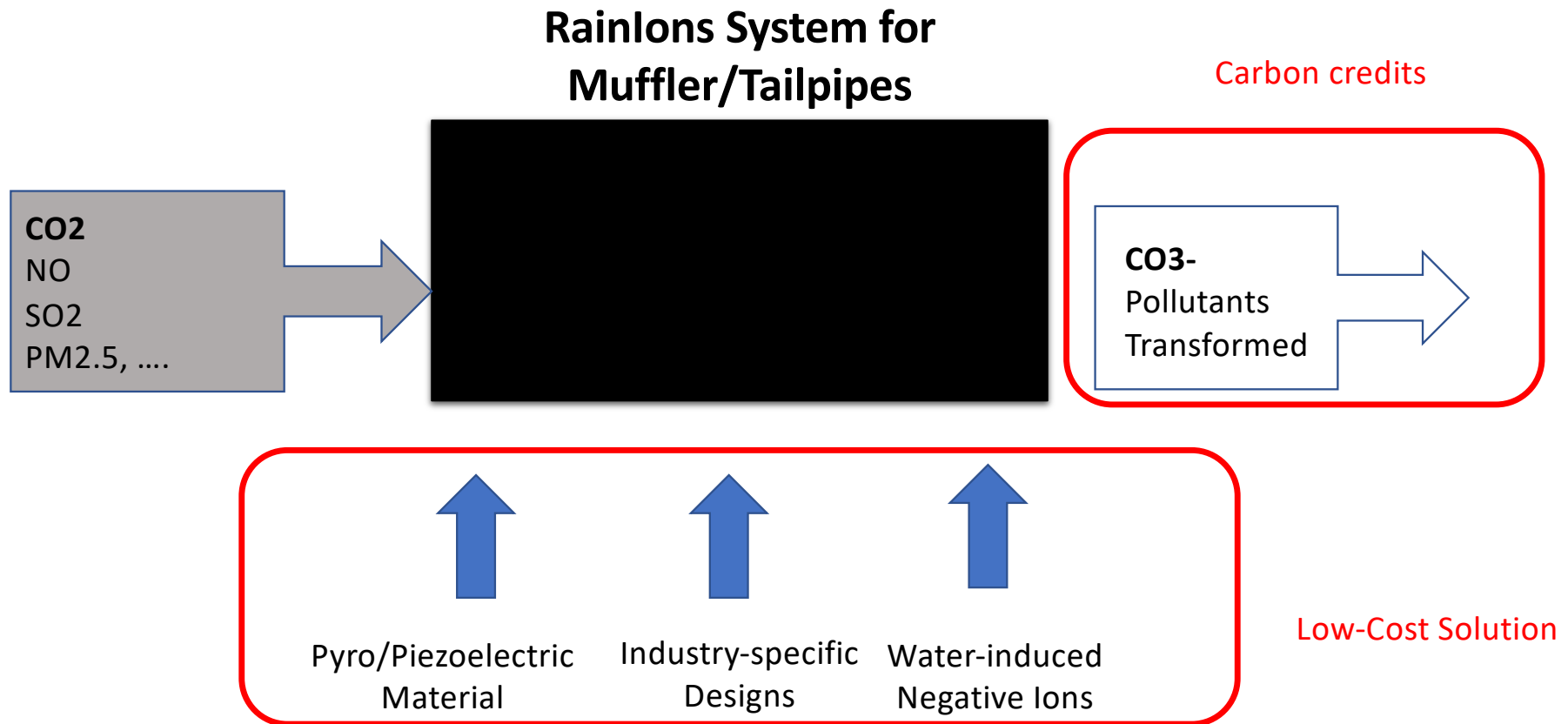
RainIons Solution: Accelerate transition to a carbon- free economy

Our patented solution is a 100% green technology that eliminates pollution and greenhouse gases from the air via a combination of ***precipitation*** and ***negative ions***.

Our ***biomimicry*** based solution replicates the way Mother Nature cleans air by using natural, environmentally safe processes, piezoelectric materials, and uniquely designed filters to create negative ions.

These negative ions bond with positive ions found in most airborne pollutants, and become too heavy to stay suspended in air, thereby transforming potentially harmful air into ***clean air***.

Decarbonizes and Removes Air Pollution at the Exhaust !



Our Strengths

Low Cost

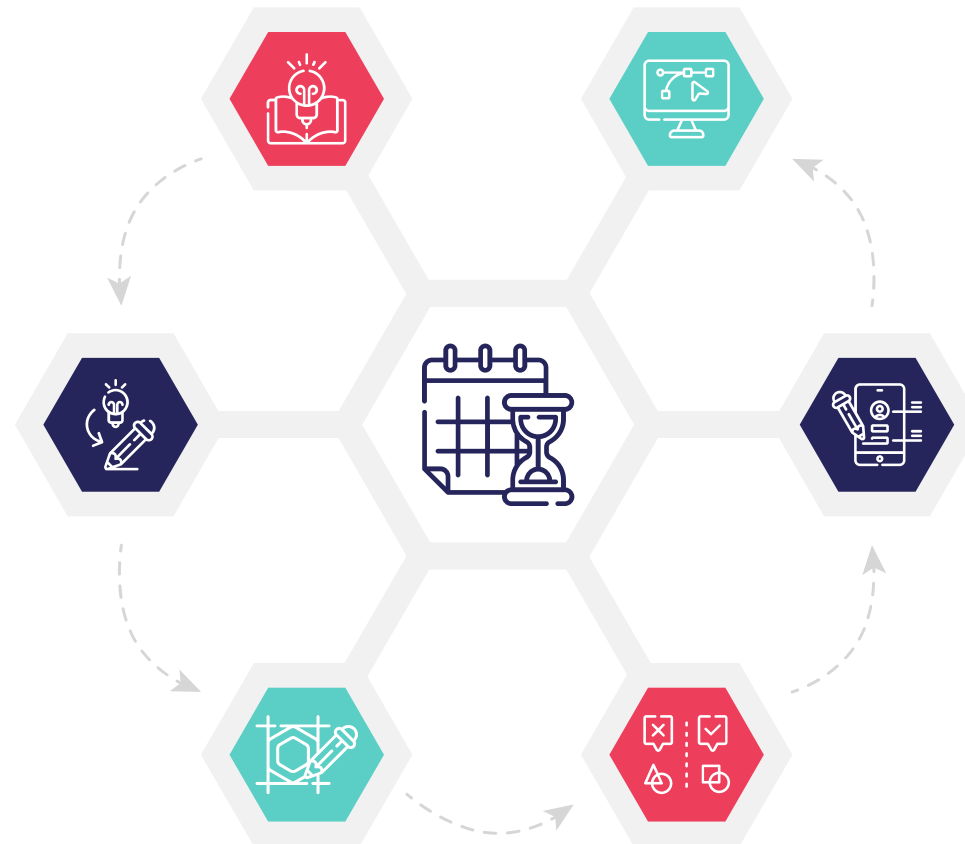
The material and processes are low cost.

Easy Integration

Can be easily integrated to assembly line and industrial projects.

Limited QA-QC

QA-QC constraints are minimum.



Easily Scalable

It can be scaled with no impact on human health.

Applicability

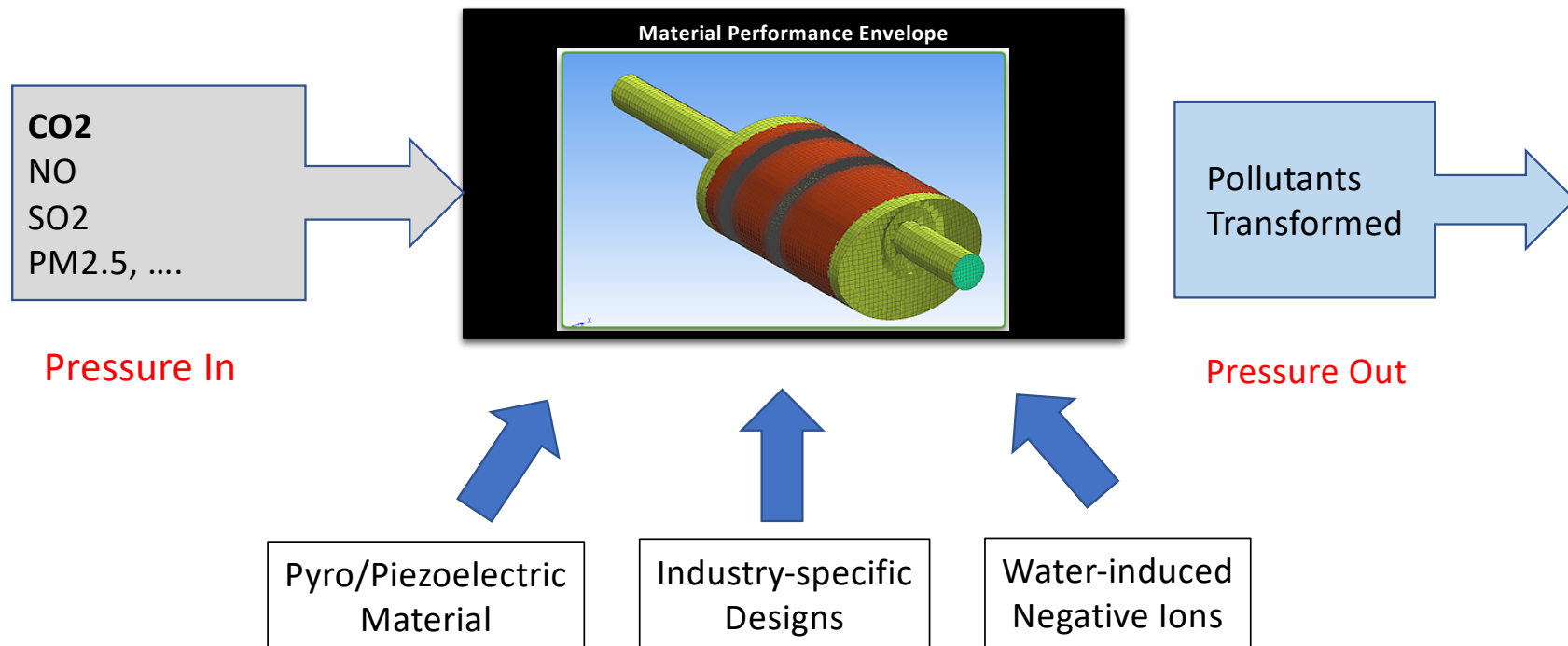
It has applicability to new and old vehicles alike.

Neutralize

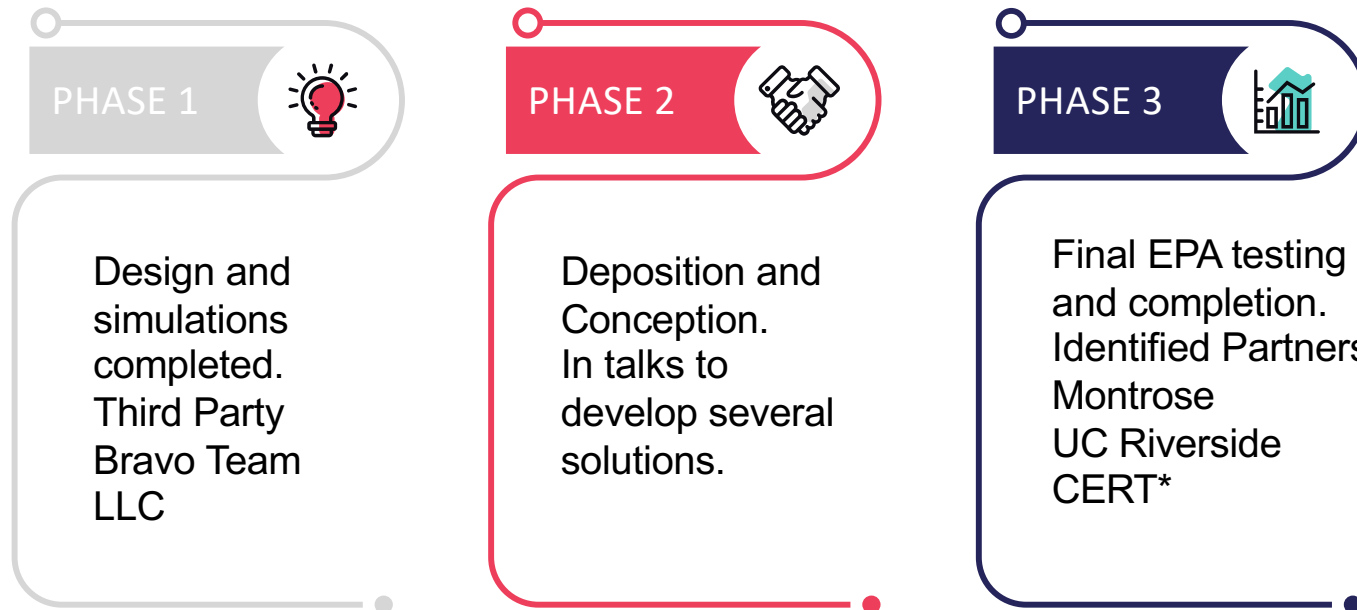
It neutralizes CO2 and other harmful pollutants at source.

First Prototype Q2 2021: Automotive Exhaust Systems

RainIons Muffler and Tailpipe System



Prototype Q2 2021: Current Milestones



How Can We Help ?

1

Product Development for Prototype

- Collaboration for phase 1 and 2
- Practical pilots with possible Government support

2

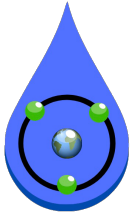
Net-zero/ Carbon free Market Place

- Collaborate to become carbon credit certified
- Establish possible projects to get credit and tax reduction

3

Technology Scaling in Production

- Identify suitable pilot based on market and consumer trends
- Collaborate on Impact and Branding



RAINIONS



Thank You