

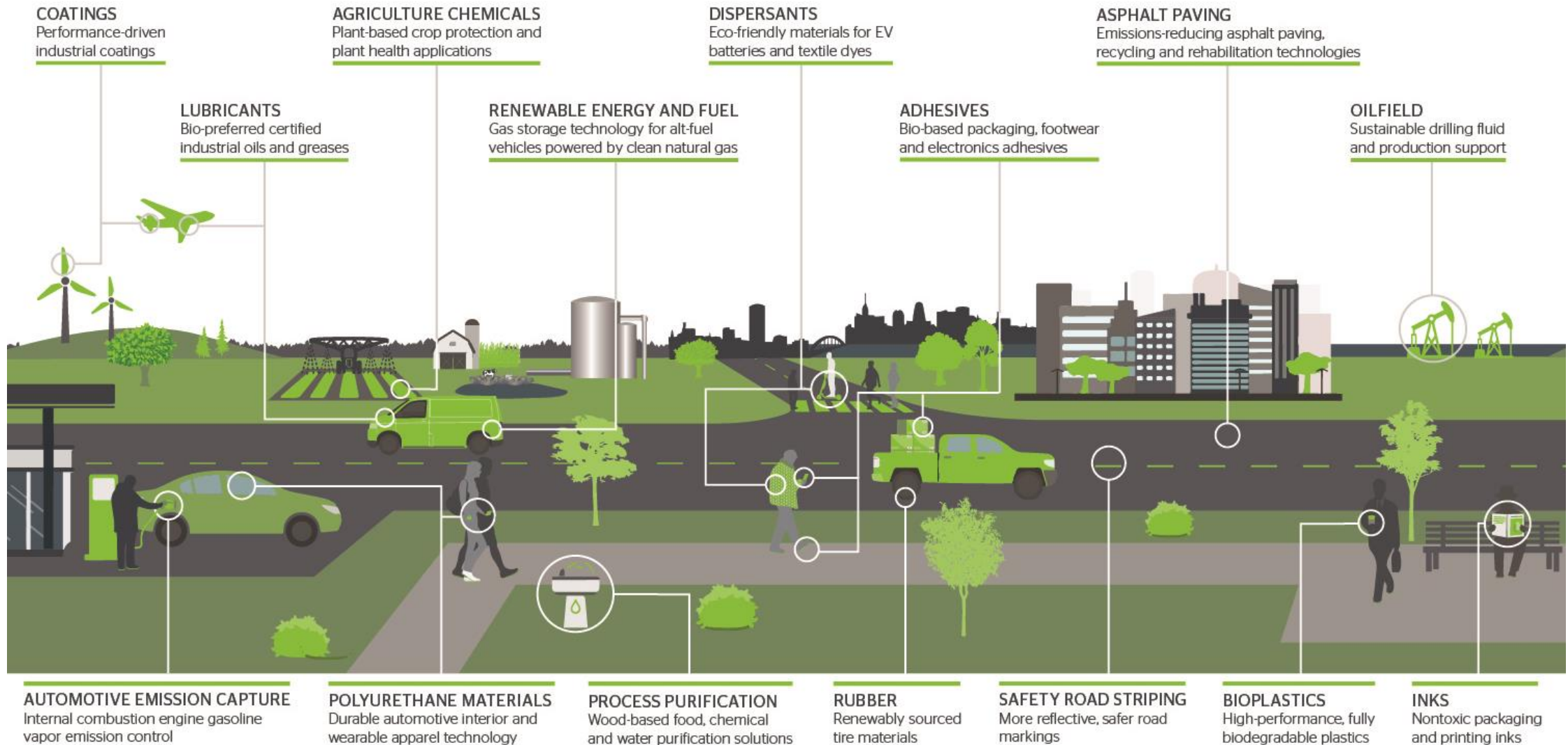
The Ingevity NeuFuel Solution:

*Seamlessly Transforming Fleets
To a Cleaner Fuel*

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ingevity

Ingevity's Purpose – Purify, Protect and Enhance the Environment Around Us



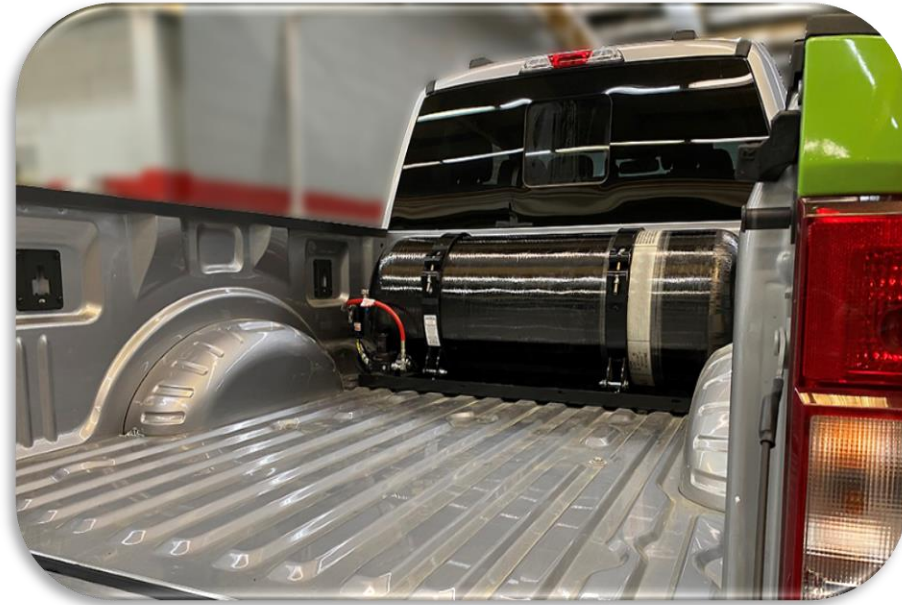
Fleets Face Uncertainty

- ✓ • **Rising fuel costs**
- ✓ • **Company and municipality carbon-zero initiatives**
 - Some include 100% electric vehicle mandates
 - No clear path on how to achieve initiatives
- ✓ • **Supply chain issues**
 - Vehicle orders not fulfilled
 - Average vehicle life increasing
- ✓ • **Workforce turnover**
- ✓ • **Operational efficiency**

Ingevity's NeuFuel solution can help with all these pain points

The NeuFuel Solution

- The NeuFuel solution combines Adsorbed Natural Gas (ANG) technology and Renewable Natural Gas (RNG)
- ANG is proprietary technology enabled by activated carbon
 - Ingevity manufactures activated carbon using a renewable resource, sawdust
 - Ingevity's proprietary process enables the carbon to perform during entire life to tank
 - Activated carbon in a CNG tank stores more natural gas at lower pressures
 - The NeuFuel system optimally operates at 1,000 psi
 - Tank capacity is designed for typical daily driving distances



Why is “Lower-Pressure” Beneficial

- Why is “pressure” relevant?
 - Lower-pressure provides
 - Lower-cost fuel (~\$1.50/GGE today)
 - Lower-cost compression equipment and infrastructure
 - Use of private, fueling appliances installed anywhere natural gas access is available
 - Appliance has a small footprint of 2 ft x 2 ft
 - Picture of appliance on the right
 - Easier and quicker expansion of natural gas as alternative fuel
- Ingevity provides a turnkey solution



NeuFuel Benefits for Fleets



Maximized fuel savings using lower-cost fuel and lower compression



Reduced vehicle GHG emissions by more than 80% with RNG



Improved fleet productivity through flexible, on-site fueling



Bi-fuel or hybrid design adds vehicle range and eliminates range anxiety



No loss in fuel capacity with the activated carbon



Vehicles Compatible with ANG Solution

Gasoline bi-fuel vehicles

- Switches to gasoline once natural gas tank is empty
- Available on the 6.2 L Ford F-250 (2020 – Present), 3.5 L PFDI Ford Transit (2020 – Present) and 5.0 L Ford F-150 (2018 – 2020, pursuing 2021+)



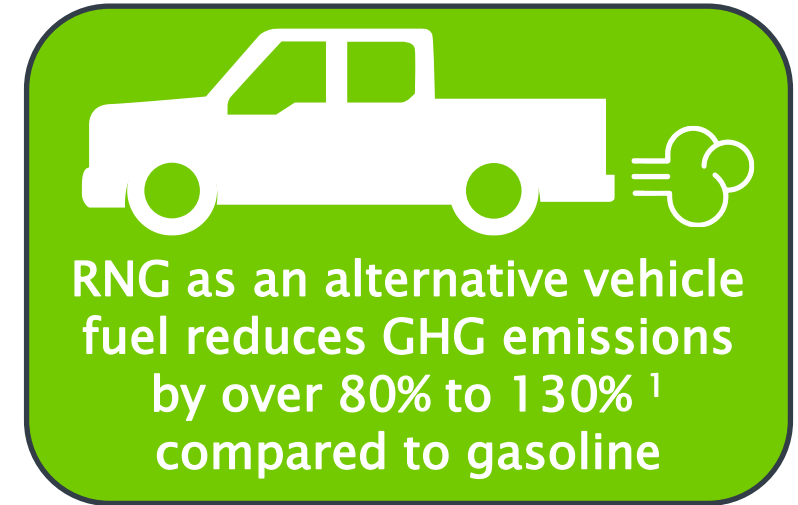
Diesel vehicles

- Diesel displacement kit
 - Blends 30–50% natural gas reducing diesel usage
 - Provides additional benefits of reduced engine noise and better driving experience without sacrificing towing capacity
 - Switches to 100% diesel once natural gas tank is empty
 - Available on most diesel vehicles
- Examples of diesel vehicles include pickup trucks, delivery vans, box trucks, school buses and class 8 trucks

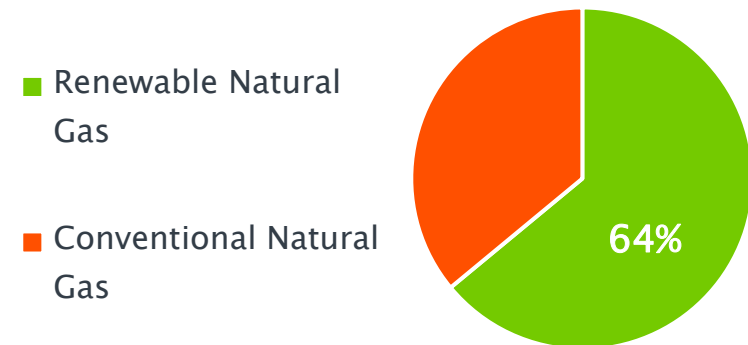


NeuFuel: An Optimal ESG & Sustainability Solution

- RNG is an ultraclean, alternative fuel produced domestically from various feedstocks such as food waste, landfill garbage, wastewater sludge, and dairy farm waste
- Ingevity has developed a platform to enable fleets of any size to leverage the optimal sustainability benefits of RNG with the NeuFuel solution
 - Ingevity uses RNG within own RNG fleet
 - Ingevity has sourced RNG for vehicle use



2021 NGV Fuel Use²



1. Source – Alternative Fuel Life-Cycle Environmental and Economic Transportation (AFLEET) Tool

2. Source – NGVAmerica



Questions

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