

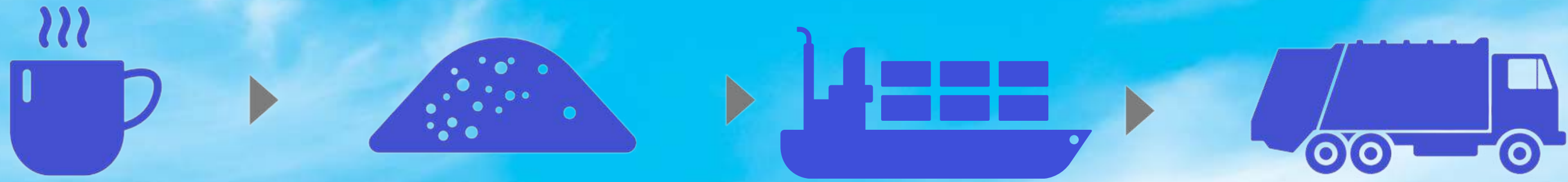


RFINE Biomass Solutions Inc.

Halifax, Nova Scotia

RFINE is a clean tech company providing cost saving solutions for spent coffee producers to repurpose their coffee grounds into valuable foodgrade resources.

The everyday problem with spent coffee grounds



Over **2.25 billion cups** of coffee are consumed around the world.

This means **60,000 tons** of spent coffee grounds are thrown out daily.

In Canada alone, we dispose of **80 tractor trailers loads** of coffee grounds daily.



- Founded in 2022
- 18 team members
- Based in Nova Scotia, Canada



Supported by



Market



Pain points

- Paying to dispose of spent coffee grounds
- Need solutions to optimize resources
- Consumers demand sustainable practices

Canada
+10K coffee shops

Europe
+400K coffee shops



United States
+100K coffee shops

Global
Millions of coffee shops

Today...



\$

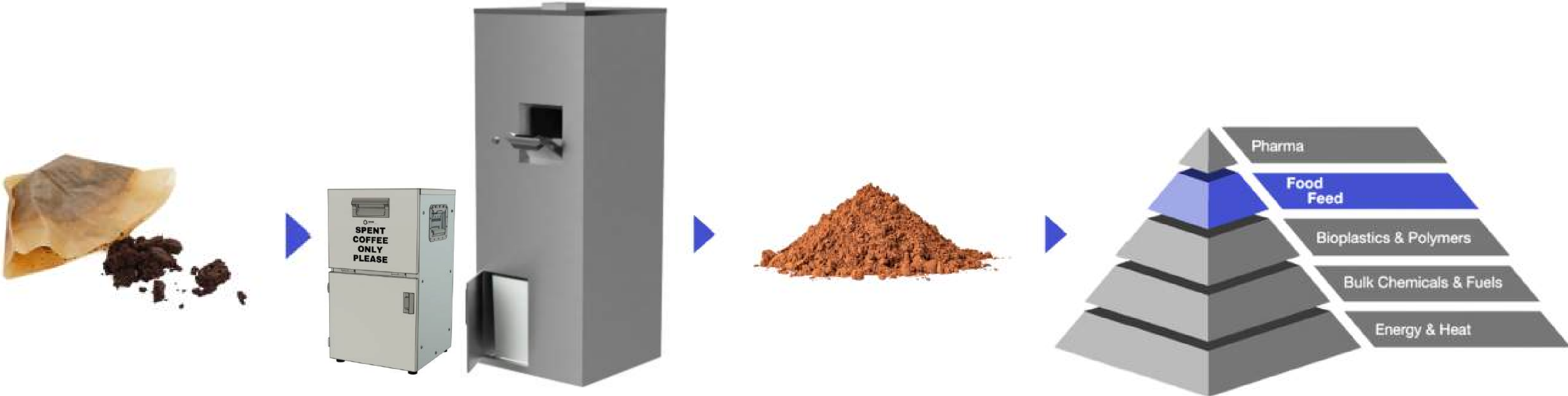


CO₂



CH₄

With RFINE's KAFFIKA™ process



How it works...



Carbon Data

When landfilled, SCG decomposes, producing **methane** (28 x CO₂)

Modest estimation: **0.3 kg CO₂-eq/kg** of SCG

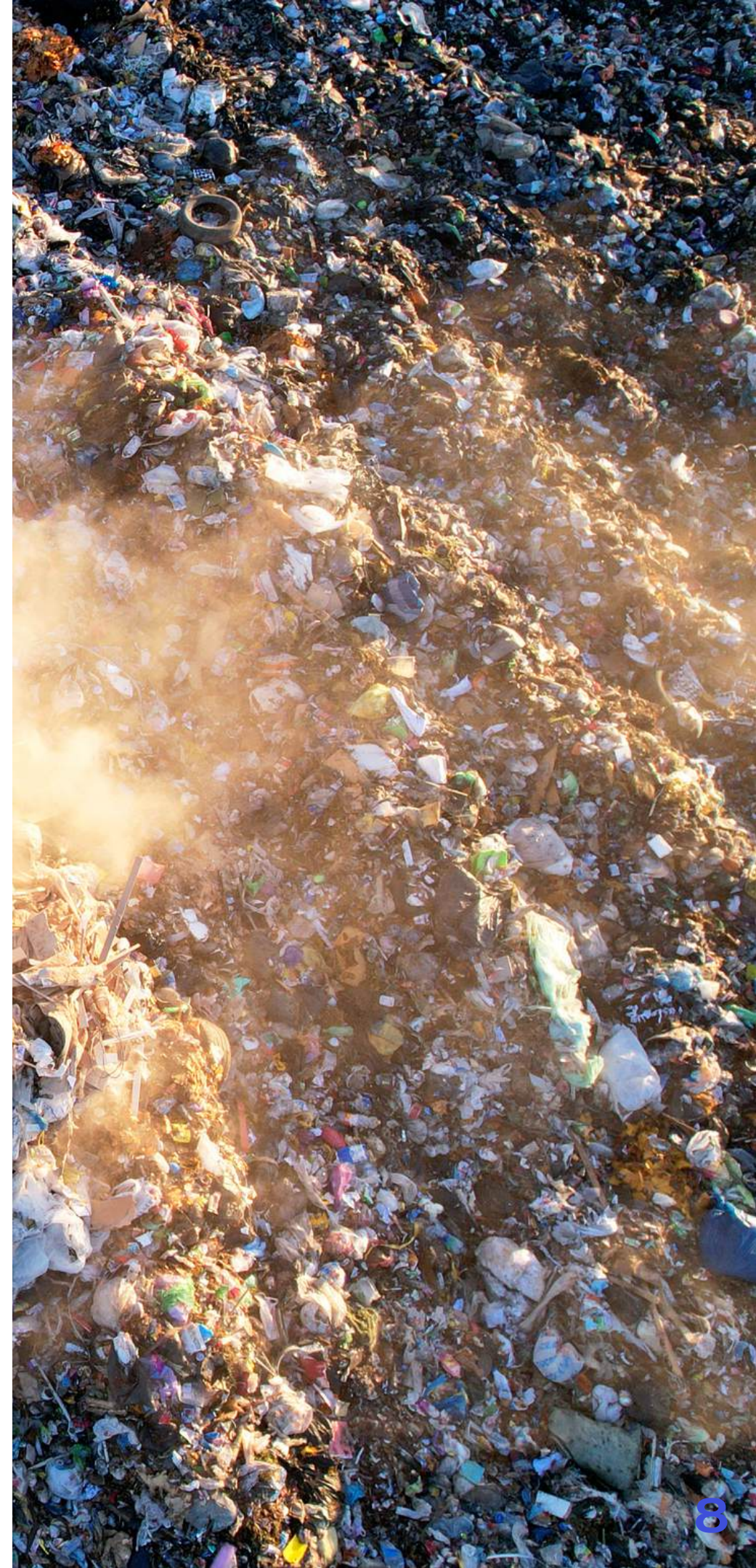
Variability in methane yield

- Material conditions (moisture content, other organic matter)
- Landfill conditions (oxygen availability, microbial activity)
- Carbon capture infrastructure

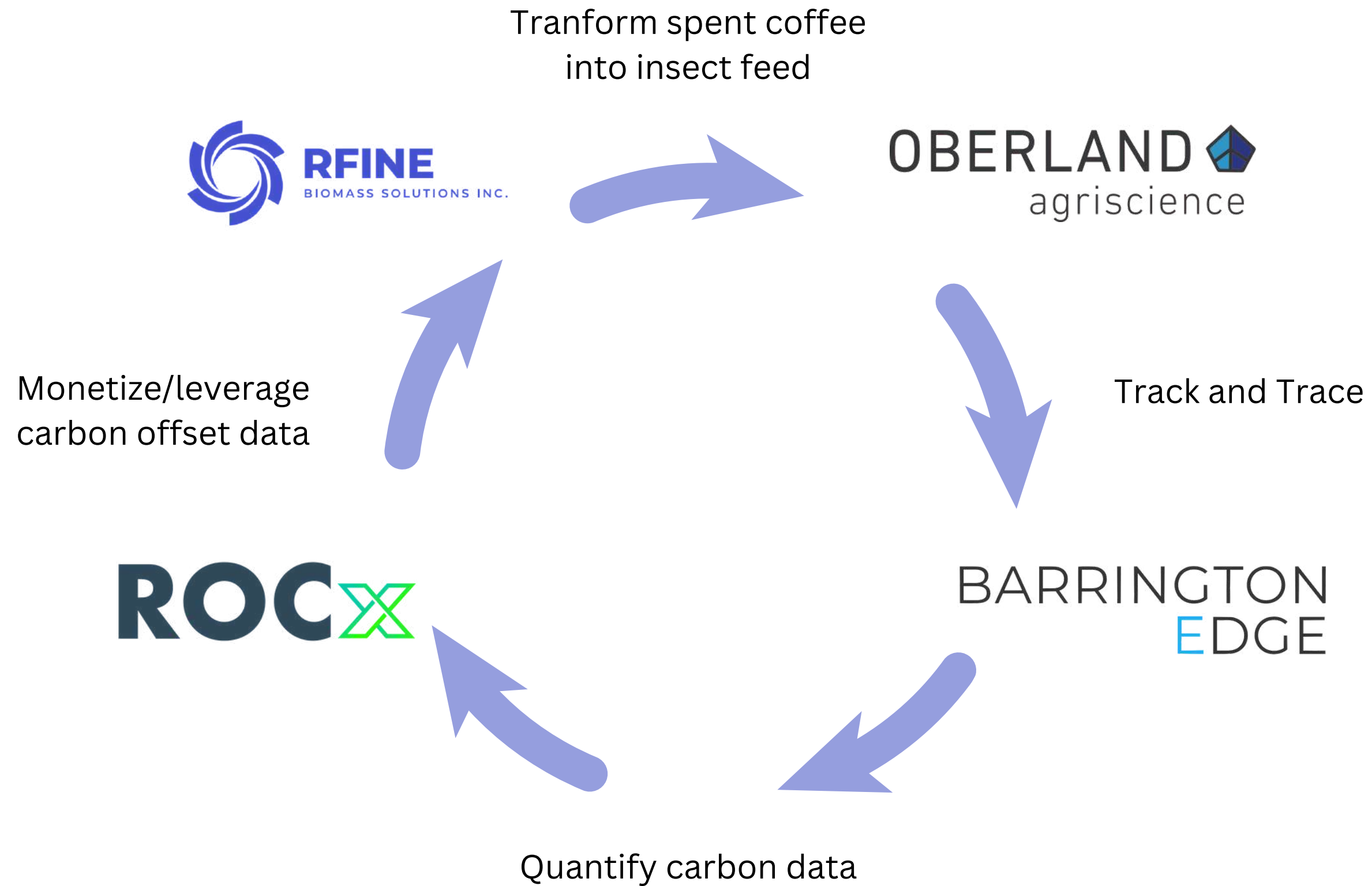
RFINEs process benefits carbon emissions beyond landfill avoidance by:

- **Eliminating additional trucking** emissions by leveraging existing backhaul logistics
- **Replacing high-carbon ingredients** like cocoa powder
- Contributing to **sustainable products** (i.e. Oberland Agriscience)

https://www.epa.gov/system/files/documents/2023-10/food-waste-landfill-methane-10-8-23-final_508-compliant.pdf



Panel Value Chain



Thank you

Key Benefits of the KAFFIKA™ Appliance and Process:

- Improved in-store operation
- Contribute to a circular economy
- Reduce waste disposal fees

For more info please contact:

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