Jeremy Galanty

Container Sustainability

Sustainability Packaging Roadmap

Reuse
Reuse packaging several times

Reduce
Reduction in the amount of material that is used

Recycle
Design for ease of recycling

Baseline
Set baseline data for packaging

Recover
Plan in place to keep healthy container supply chain

100% viably returnable, recyclable, reusable or compostable packaging by 2030

general motors
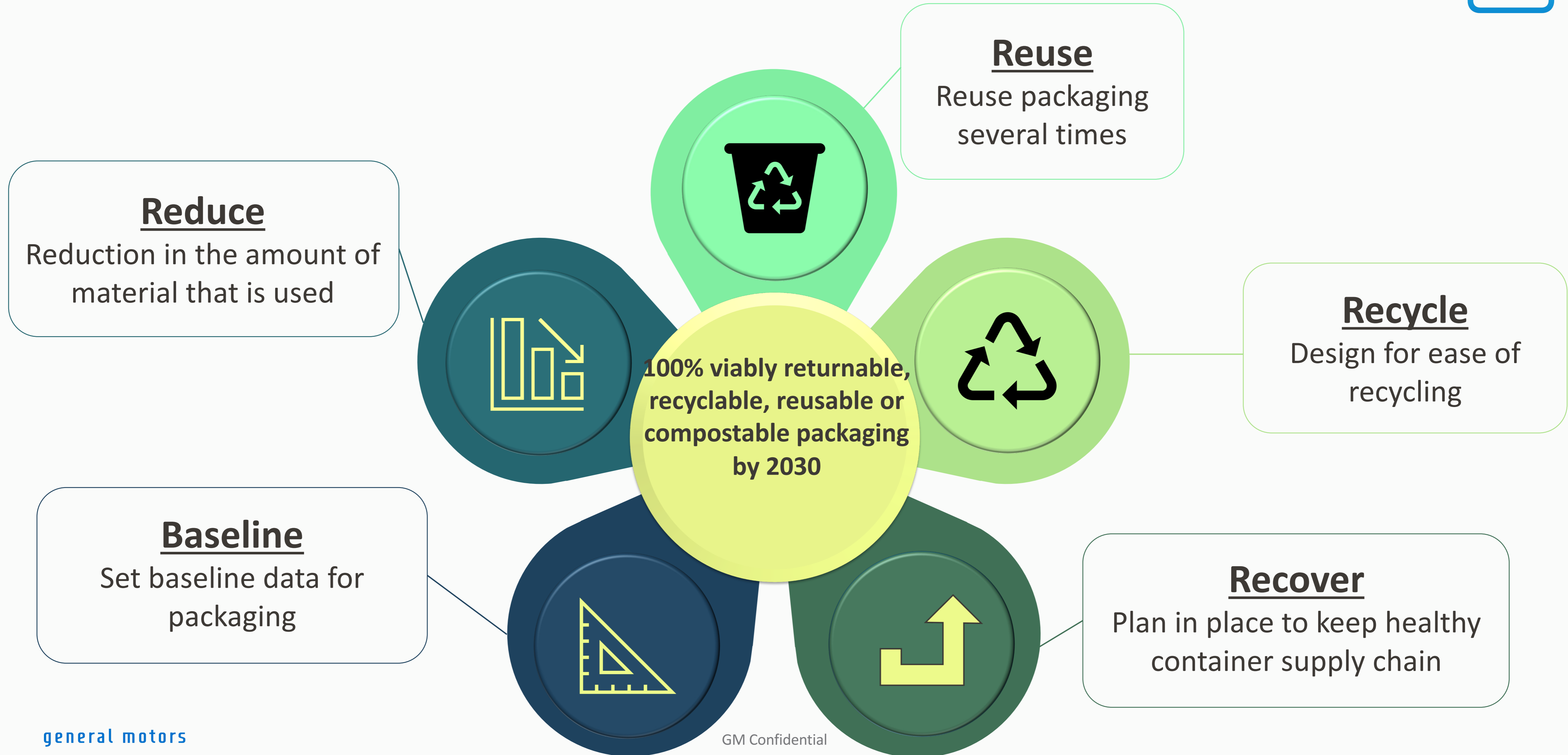
Establishing the Baseline
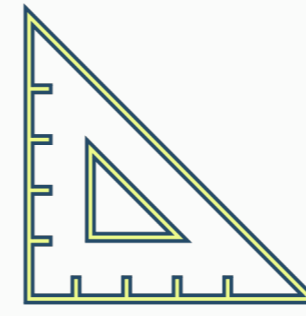
Background

Existing system for packaging plans didn't address attributes of sustainability.

Work Done

Worked with Platform provider to enhance the tool, building in best practices and targeted questions.

Results

Growing adoption of new tool, with less "busy work"

Lessons Learned

If you build it *right*, they will come...
Can't manage what you can't measure...

Reduce

Background

Plastic knockdowns with colored bases driving complexity

Work Done

Worked with knockdown supplier to understand impacts colored plastics impact sustainability

Results

Changed colored plastic to black, driving sustainability impact up while cost down

Lessons Learned

Simplicity can be impactful
Sustainability doesn't need to come at a cost

Reuse

Background

Steel racks retained for future use in an offsite storage area

Work Done

Racks inventoried and documented to be reused in upcoming launches

Results

Racks reused resulting in reduction in new builds
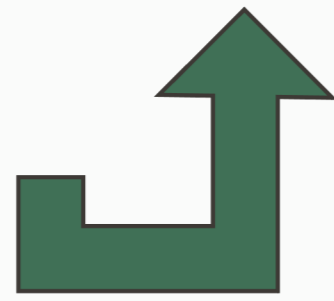Racks identified as no use were able to be recycled

Lessons Learned

A missed *opportunity* is an opportunity lost...
Cut your losses as quickly as possible

general motors

45K Containers Processed

Recycle

- Obsolete rack designs
- Integrity concerns
- Non-standard footprints

Recover

Background

Tracking of containers has historically been a very manual process relying on participations

Work Done

Container tracking devices installed on targeted container styles with high replacement
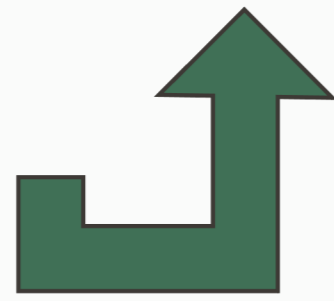
Results

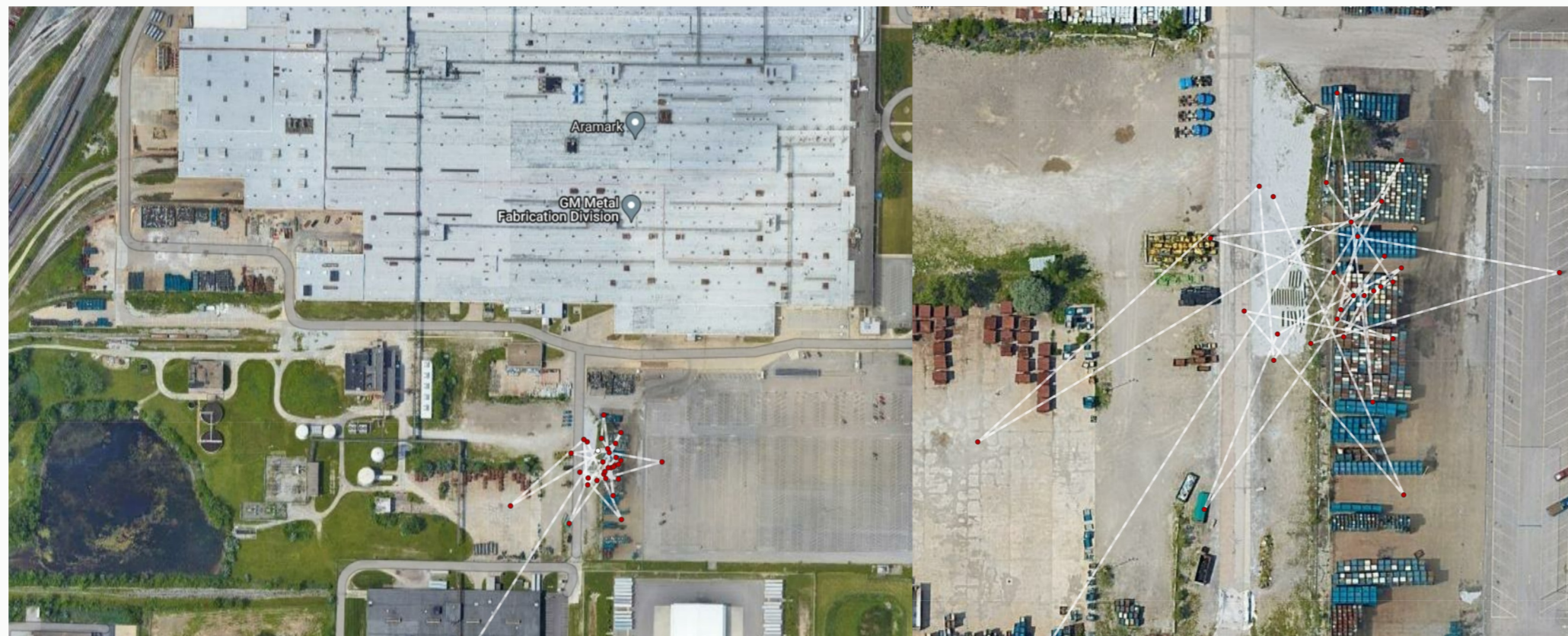Recovery of 22k container that were lost to network in one year

Lessons Learned

A *little* goes a long way
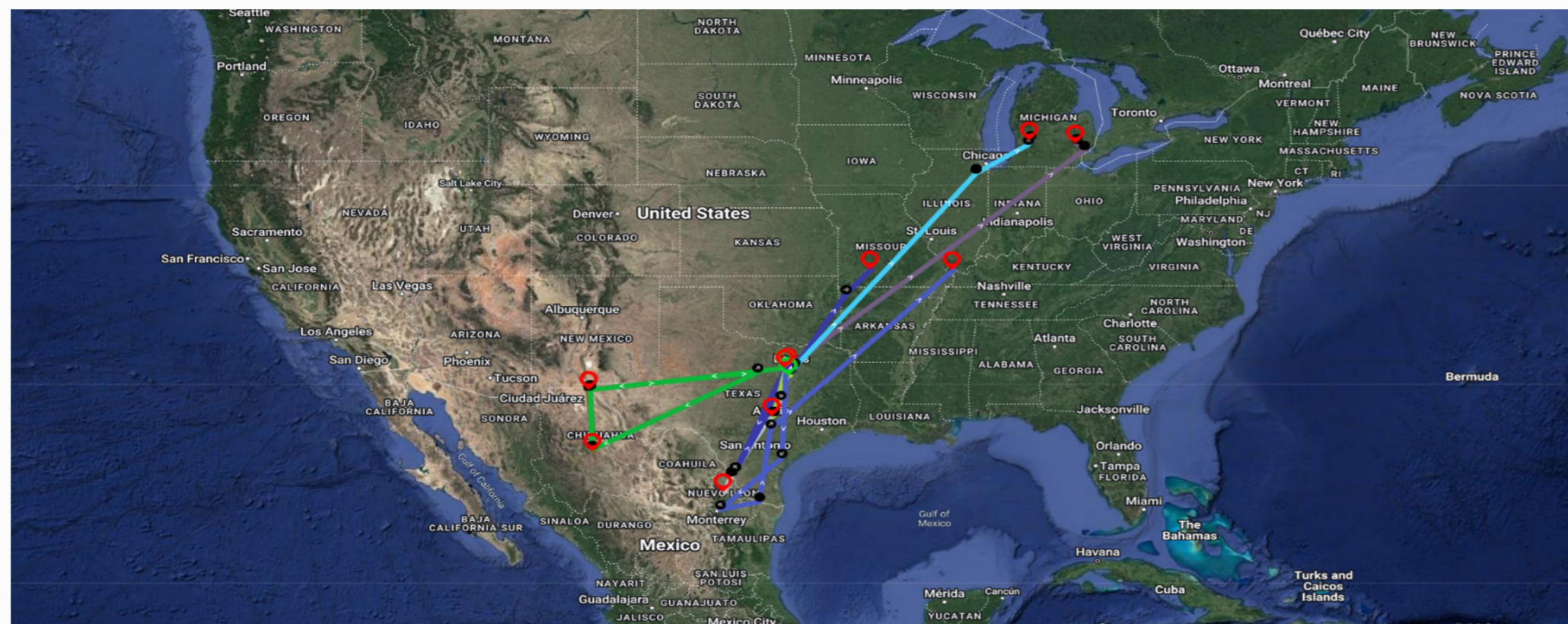Transparency can create behavior change

general motors

Recover

Mis-ships and Lost Loads

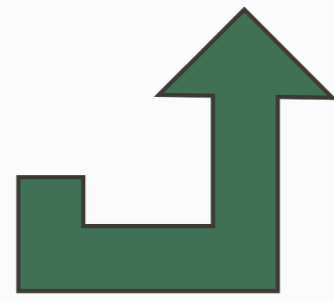## Unaccounted Off-Site Long-Term Storage

Out of Network Use of Containers

Stolen Container Load Seized in Transit

general motors

Recover

+20K Containers Recovered

■ Plants   ■ Supplier   ■ Carrier   ■ Theft

Reduction in . . .

- the amount of back up expendables needed
- replacement containers
- expedited shipment
- CO_2 (Shipping and container production)

Increase in . . .

- container velocity (number of turns)
- visibility (quicker resolve of issues)

general motors

Thank you