

Proud Members
or supporters of:



Strategic Materials

North America's leader in glass recycling

Our commitment to WI's recycling market



Our footprint



OUR VISION

Conserve the earth's natural resources by being the most efficient provider of recycled materials to global markets.

Largest glass recycler in North America, recycling nearly **3 million tons per year**.

Over **120 years of experience**, we are the recycling market leader for glass. We serve a variety of end market segments and variety of processing capabilities.

Our customers demand higher amounts of recycled glass to **reduce their manufacturing costs and improve their sustainability through energy reduction and CO₂ emissions savings**.



New Leadership at SMI



Chris Dods – President & CEO Strategic Materials

- Feb 2020
- Extensive environmental remediation & recycling background
- Clean Earth – President & CEO for nearly 10 years
- Committed to doing the right thing
- Recognizes glass recycling is good for business & the planet

Recycled Glass Market Overview

Glass is likely the most stable commodity in the stream for the past 5 years.

PRIMARY

Glass Containers



Fiberglass



SECONDARY

Flat Glass



Highway Bead



Decorative



Terrazzo flooring; countertops; landscape

EMERGING

Construction



Lightweight aggregate; air blast abrasives; road base aggregate; concrete filler

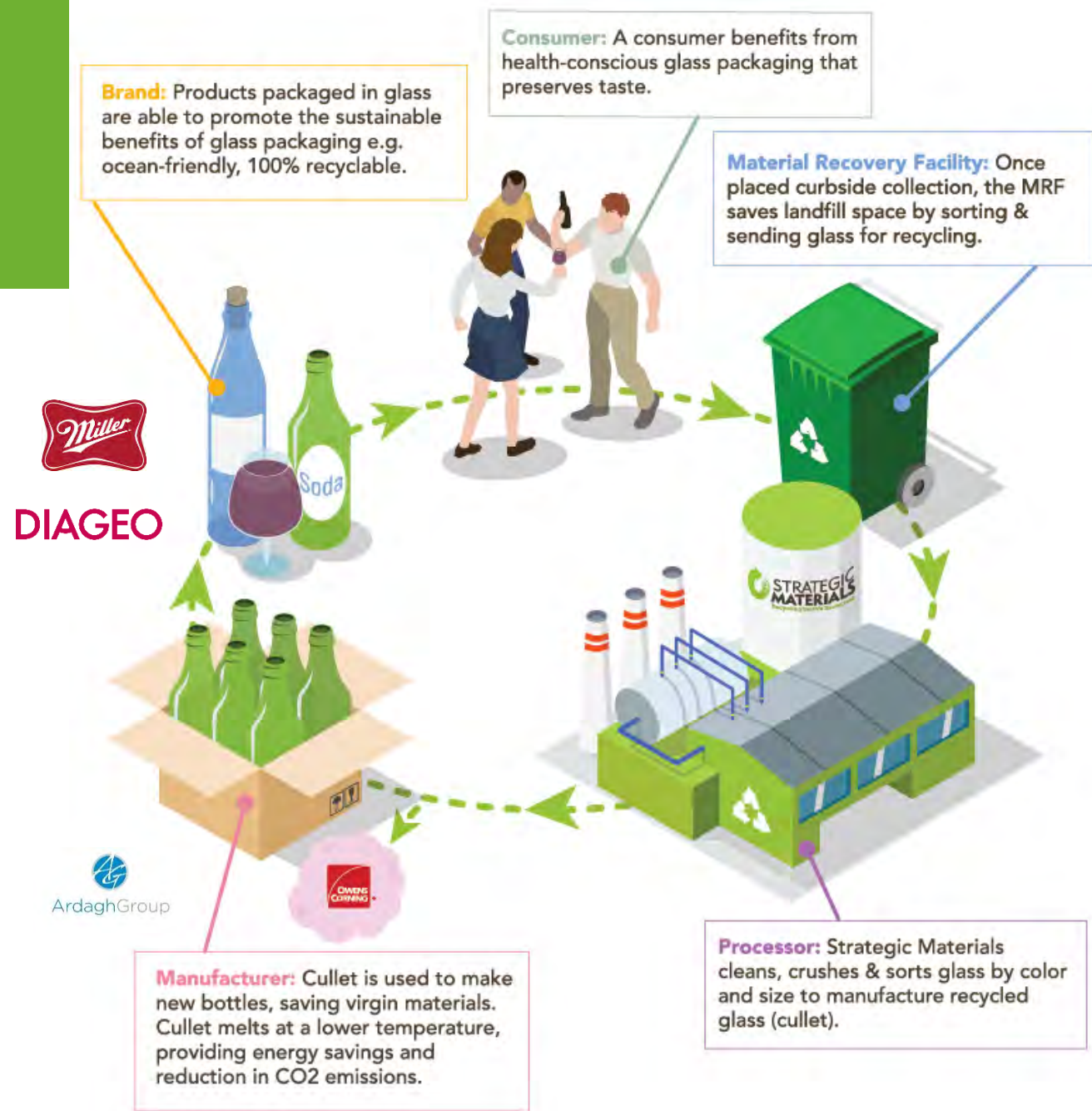
Other



Fillers in paint, flooring, tile; carpet backing; filtration

Circular Economy of Glass in Wisconsin

Glass recycling excellence in the U.S.
Education / Training Center
2020/2021 Delavan, WI



Glass in Wisconsin Environmental & Economic Impact

400+

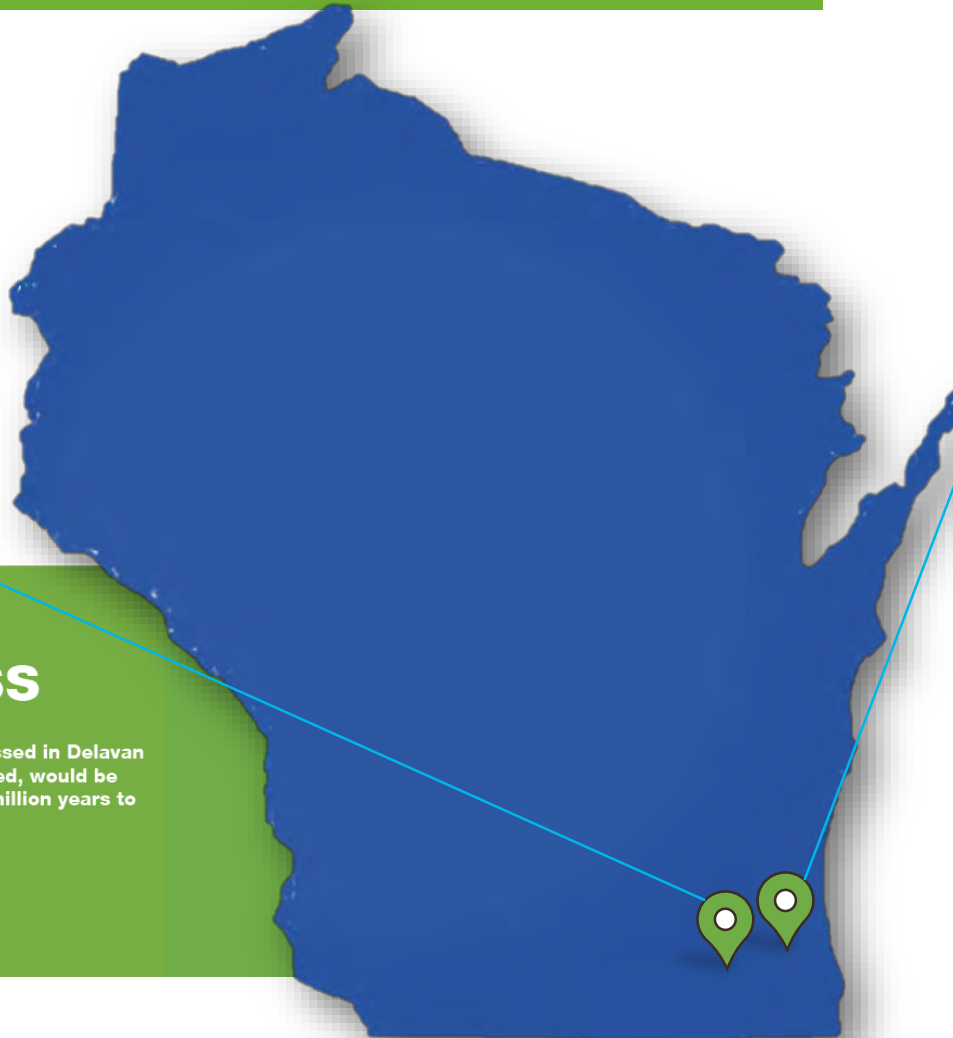
The production of glass—**at Ardagh and Strategic Materials plants**—sustains more than 400 jobs.



Delavan, WI

100K tons of glass

Each year, over 100,000 tons of glass is processed in Delavan by Strategic Materials - glass that if not recycled, would be disposed in Wisconsin landfills, taking over 1 million years to fully degrade



Burlington, WI



1.5 million/day

The **Ardagh plant in Wisconsin** produces a total of 547.5 million glass beer, beverage, food & spirits bottles each day for mega brands and craft brewers.

547,500,000

glass containers per year



10,000

The use of recycled glass in the production of glass bottles reduces CO2 emissions - over 10,000 tons of CO2 are saved in Wisconsin each year alone.

Recent Improvements & investments SMI Delavan



- 1. OPTICAL SORTING UPGRADE**
- 2. AIR HANDLING MANAGEMENT**
- 3. DRYER UPGRADE**
- 4. INBOUND SUPPLY IMPROVEMENT**

We are continuously improving to be best-in-glass

1. Optical sorting upgrade



- **Recently installed a Binder & Co. CLARITY with Near Infrared Sensor (NIR)**
- **Significantly improves cullet supply to our customers**
- **Sorts out plastic, ceramic, stones and porcelain and glass by color**

We are continuously improving to be best-in-glass

2. Improve odor & airflow management

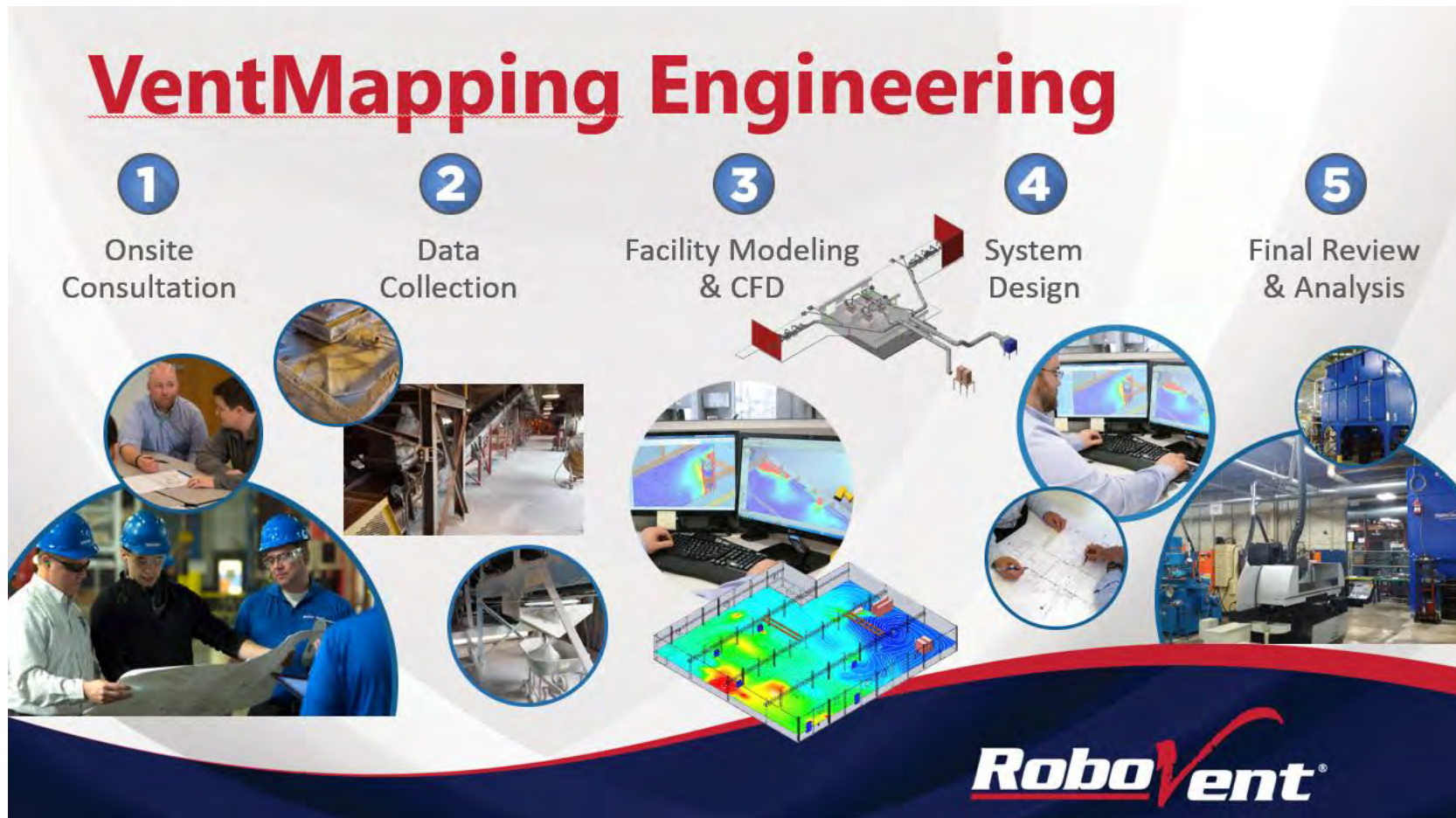


- **Industry experts in odor & airflow management**
- **Engineering studies and proposals are in process**
- **The outcome will be to identify engineering solutions to significantly reduce odor & improve air quality**



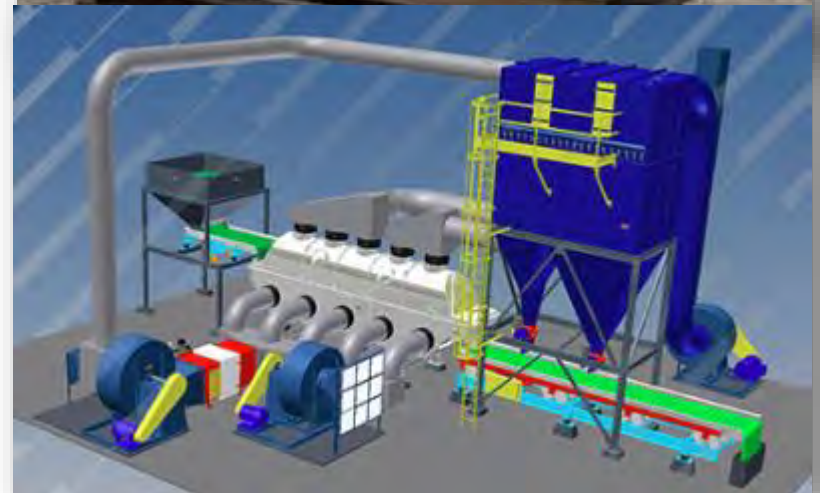
We are continuously improving to be best-in-glass

RoboVent engineering study process



3. Double dryer capacity

- Meeting our inbound supply moisture challenge head on
- Plant design accommodates a second dryer
- Doubling the dryer capacity produces a drier product



4. Improve supply quality



- Inbound quality improvements - Targeting 80% glass content
- Implement lessons learned from best-in-class suppliers (Pellitteri and Republic) at other supply partners



Key WIRMC Takeaways

- **We are proud to serve the State of Wisconsin for glass recycling – we are committed long-term with a goal to be "best-in-glass"**
- **Key to our success is partnership with state orgs, suppliers, cities/municipalities and others**
- **Wisconsin's circular economy of glass is one to be modeled after in other regions**

Keep up the good work on glass recycling!



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Thank You



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Photo courtesy of Strategic Materials, Inc.