



Accelerating Solutions to Grow the Circular Economy





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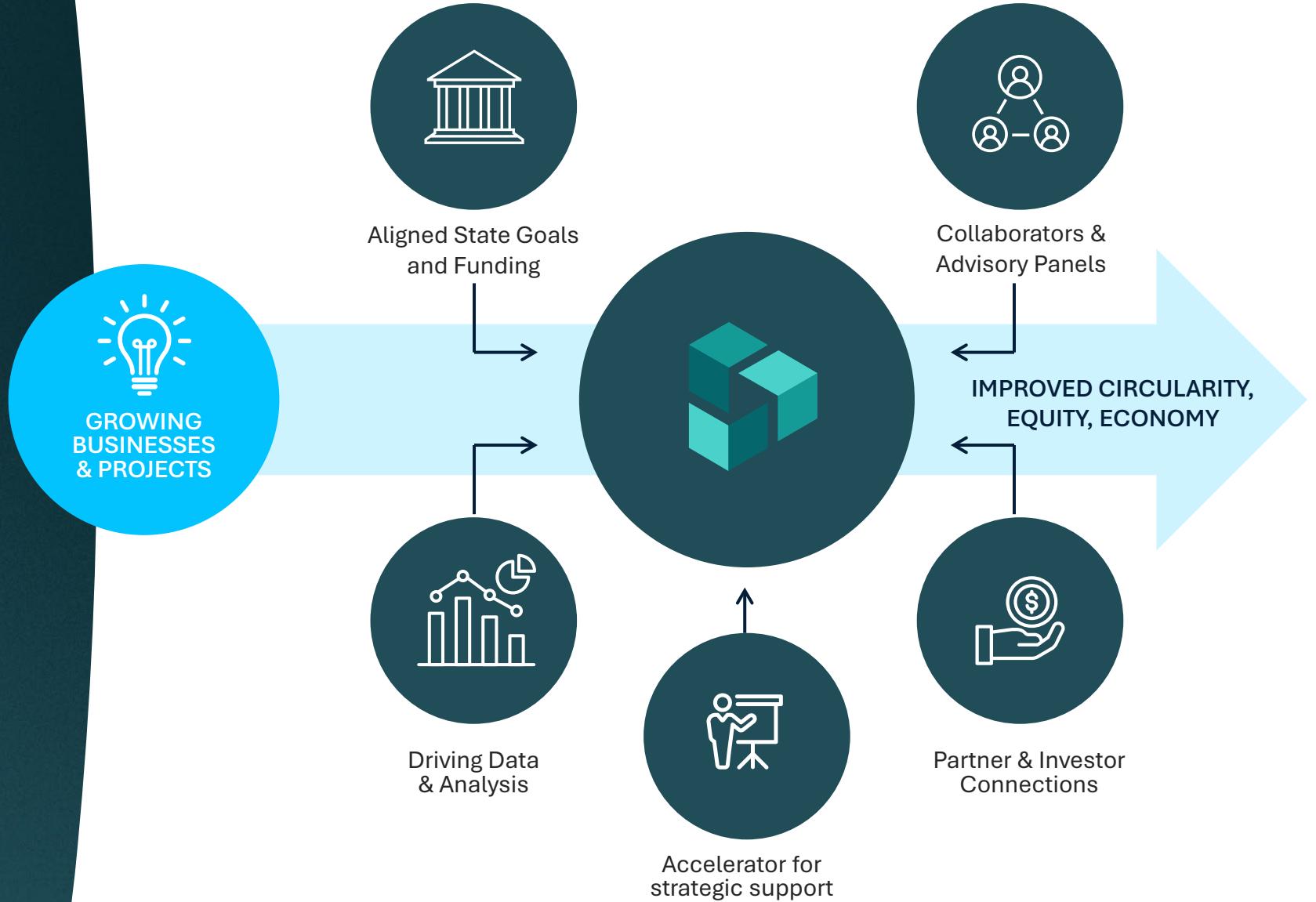


What is NextCycle?

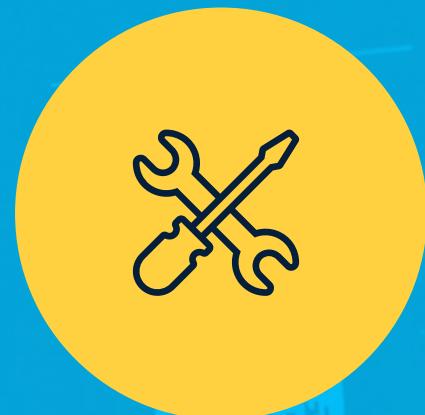
NextCycle is a **circular economy accelerator** that advances innovative business models preventing, reusing, rescuing, repairing, recycling, composting, and recovering materials that would otherwise be landfilled or incinerated.



The NextCycle model



The NextCycle Accelerator



Industry Specific Business
and Technical Support

Mission Focused Pitch
Development

Funding Pathway Identification
and Matchmaking

NextCycle adapted for state and regional needs

35% Diversion Goal by 2026,
45% by 2036

1 Tracks | **6** Cohorts | **42** Teams supported

Colorado Est. 2019



~70% Landfill Diversion as part
of Zero Waste goals

2 Tracks | **6** cohorts | **42** Teams supported

Washington Est. 2022



45% Recycling Rate goal,
30% by 2025

6 Tracks | **17** Cohorts | **187** Teams supported

Michigan Est. 2020



Focus on **sustainable packaging**
with a mission to eliminate
packaging waste

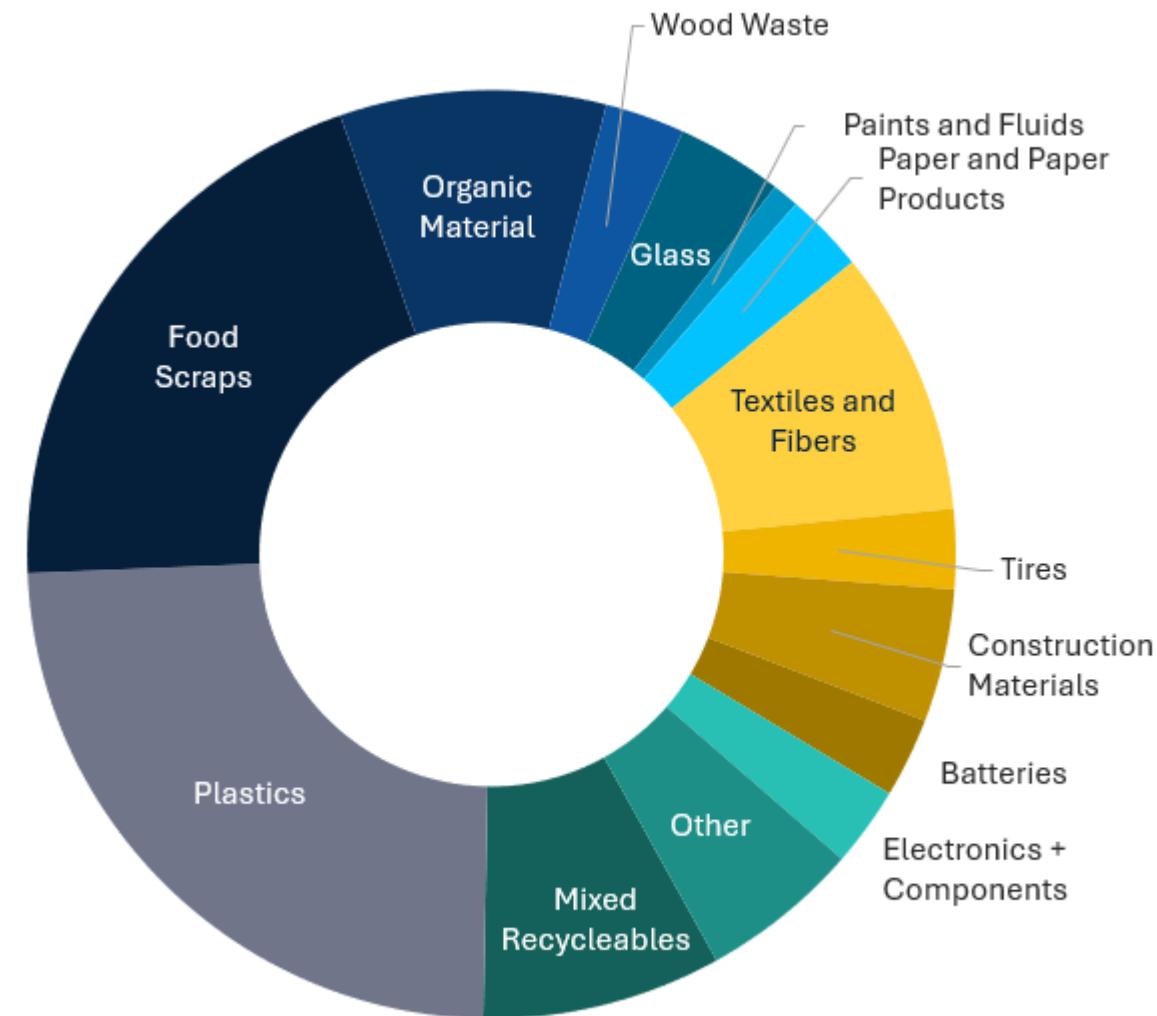
1 Tracks | **1** cohorts | **7** Teams supported

SHAPE: MI/OH Est. 2025



Material Streams Addressed Through NextCycle Team Projects

Range in impact to Collection,
Processing, End Markets, Education,
Reuse and other targeted gaps.



Addressing Organics Across the Supply Chain



Rescue



seeds
Ecology & Education Centers



NEXTCYCLE



Collection



Compost

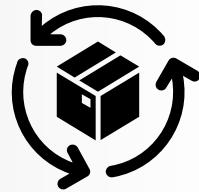


SCRAP SOILS



Anaerobic Digestion

Mt. Pleasant
[meet here]



Markets & Products





Metro Food Rescue

West Bloomfield, MI

Metro Food Rescue, a 2022 NextCycle Michigan team, picks up fresh foods and staples that would otherwise be destined for landfills and delivers to local food pantries and community kitchens. In 2022, Metro Food Rescue saved 1.5 million meals worth of food from going to landfill.



Metro Food Rescue was recently awarded an EGLE Circular Economy Grant for \$250,000 to establish a Detroit Produce Terminal to transform how surplus food is managed and utilized as either edible food or compostable material.

Scrap Soils

Detroit, MI

A close-up photograph showing a person's hand pouring a variety of food scraps into a large brown compost bin. The scraps include orange peels, green vegetable scraps, and brown paper. The bin is filled with a mix of green and brown organic materials.

Scrap Soils is an organics collections and compost program in Detroit. Scrap Soils is focused on connecting individuals and farms to each other and healthy compost. They will eventually expand the service area by connecting residents outside of metro Detroit to urban farms increasing their impact.

Showcase award winner, EGLE Organics Infrastructure grant, collaboration with Penny Pick up for robotic food scrap collection, and ongoing local scaling and collaborations



Capture Tech

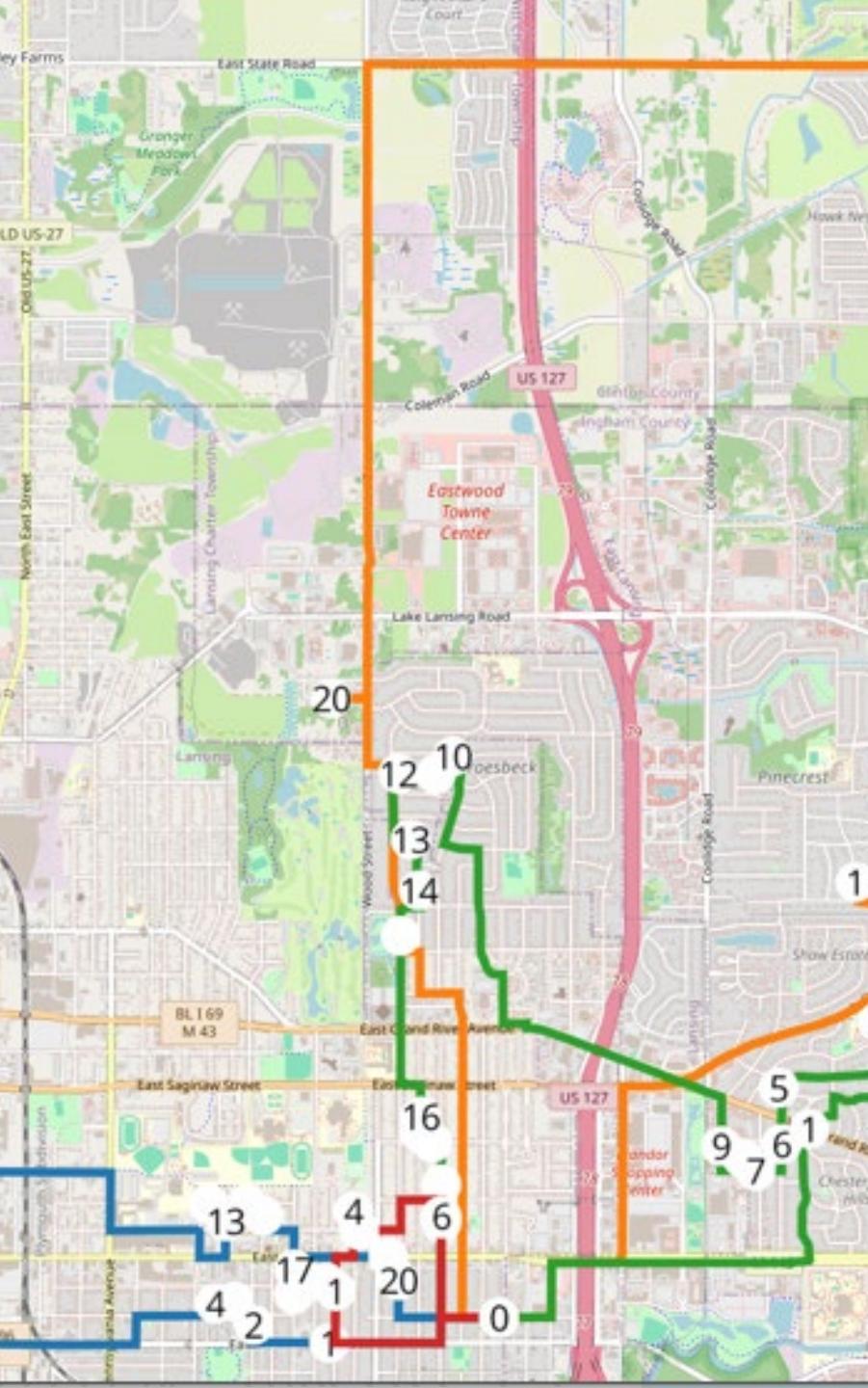
Capture Tech is utilizing modular natural fiber wrapped biochar filter substrates with bioremediating microbial inoculants to create easily deployable Biochar Capture Packs (BCPs) that work to remove nonpoint contaminants from waterways and repurpose them into restorative fertilizers and soil amendments.



Peoples Choice at the
NextCycle Showcase

Eastside Compost (Full Cycle Logistics)

Eastside compost collects food scraps and compostable material from residents in the Eastside neighborhoods of Lansing, MI. They established Full Cycle Logistics to provide **accessible** tools to enable circular economy haulers and processors to **efficiently manage** their **customers** and **operations**.



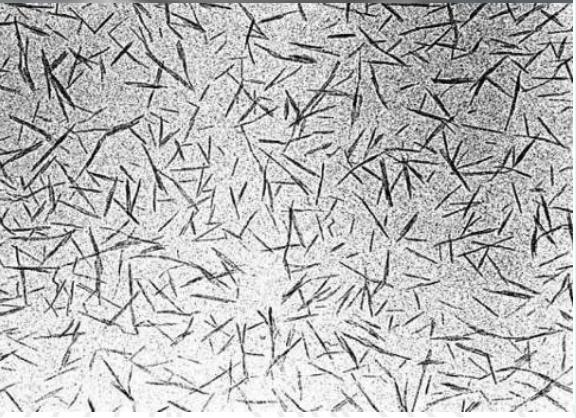
Pivoted during the NextCycle Accelerator to focus on Full Cycle Logistics and has scaled operations to service more of Lansing while providing a solution for the industry.



Harvest Nano



Using cellulose from organic waste to develop a nanocellulose product with applications ranging from packaging, textiles, building materials, medical devices, aerospace components and other uses.



Harvest Nano
Transforming Waste For A Better Future



Perfect Circle

Grand Rapids, MI



Perfect Circle Recycling's turbo separator provides a unique ability to separate food from its packaging or from non-organic materials. Recently featured in MiBiz, PCR has diverted over 23,000 tons of food waste from the Kent County region and beyond.



Perfect Circle Recycling was awarded \$155,000 through EGLE's Circular Economy Grant Program to invest in equipment to supplement animal feed with milk that would otherwise be discarded.

Solutions for Hemp Waste



Hemp 4 Humanity

Waste hemp for sustainable building panels for affordable housing

9Fiber

Waste hemp made into fiber for commercial and industrial applications

Viable Fibers

Waste hemp for textile grade fiber applications and byproducts for animal bedding

Sana Packaging

Packaging for cannabis products made from hemp-based plastic

Noble Polymers

Exploring hemp-based plastics

BioChar Green

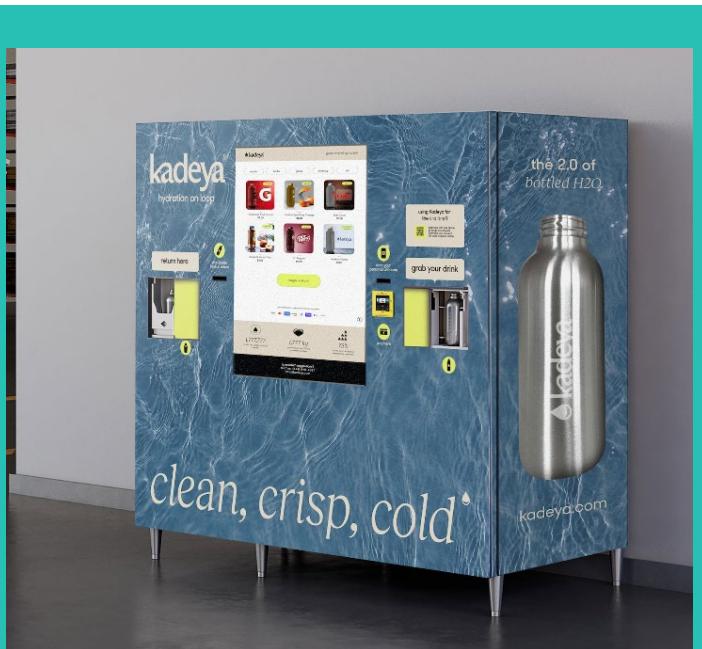
Start up for biochar bricks made from hemp waste

Reuse Solutions



Revino

Reuse for the wine industry with unique bottle design and logistic strategy



Kadeya

Refillable, Reusable bottle vending machine with a focus on hydration



Refugee Artisan Initiative

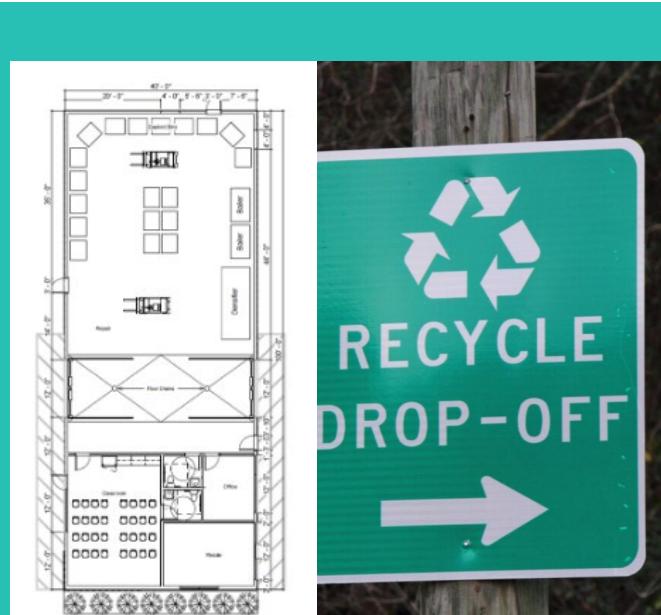
Textile and material reuse – even old firehoses – supporting women and refugees

Infrastructure and Programs



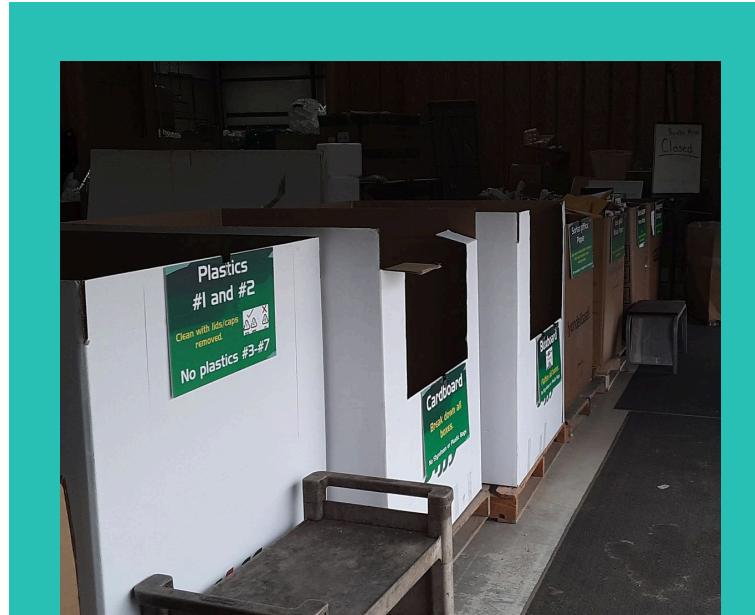
losco County

County-wide recycling drop-off program



City of Holland

Comprehensive recycling and education center



BizAid

Hub and Spoke collection network in rural Michigan

Innovative Solutions



Glacier

AI-enabled robotic sorting equipment



Design Declassified

Panels made from 100% recycled plastics



ReCharge Recycling

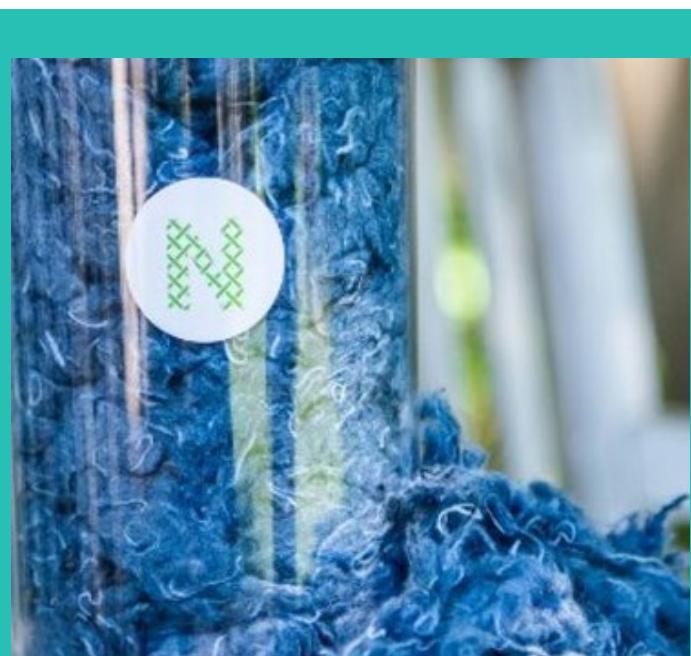
Electric Vehicle battery recovery and recycling

Unique Material Solutions



FoamCycle

Styrofoam collection and recovery network



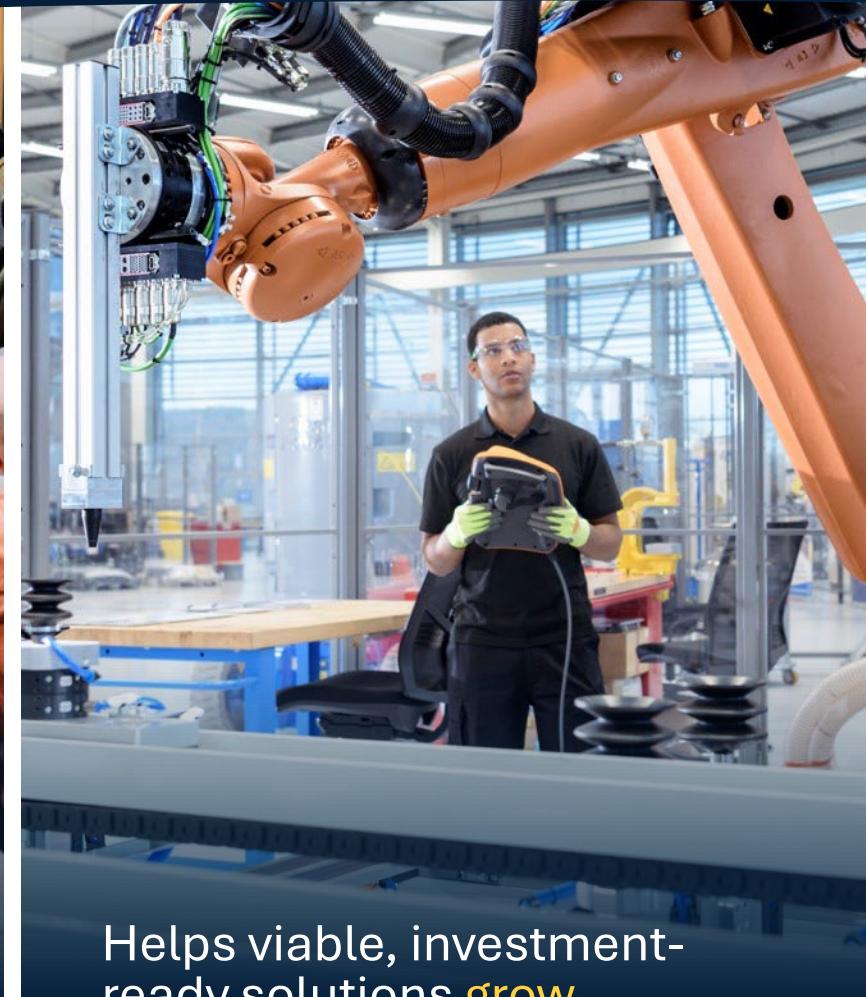
NexTiles

Waste textiles for insulation and auto-applications in Detroit



Vitriform 3D

Using Recycled glass for engineered stone





Drive your local circular economy.

Design a NextCycle
program for Illinois or your
region.