



RECYCLE
by **DESIGN**

MOVING THE NEEDLE THROUGH INNOVATION





Recycle by Design partners

IMG AEBEL

Washington, DC-based international financial and economic advisory firm made up of more than 100 finance and management experts, efficiently mobilizing specialized expertise in infrastructure financing, transaction advisory, capacity building, project finance, and fund management with public-private partnerships as a central focus.

RRS

Ann Arbor-based cutting-edge team of professionals, engineers, economists and communications specialists who share a vision and possess core strengths in materials recovery, coupled with expertise in life cycle management and applied sustainable design.



The Challenges We Face

- ▶ A lack of education
- ▶ Expensive services
- ▶ Inadequate infrastructure
- ▶ Lack of support
- ▶ Falling commodity pricing
- ▶ Low landfill fees
- ▶ No rules for the game
- ▶ Quantity vs quality



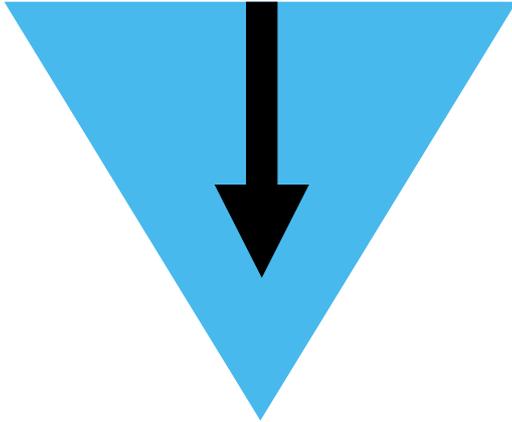
70%
*of the U.S.
waste stream
is recyclable.*



*But we're only
capturing*
33.7%



Two Approaches to Recycling Expansion



- ▶ Public sector top-down approach



- ▶ Business-driven bottom-up approach



What is Recycle by Design?

The **Recycle by Design** Challenge

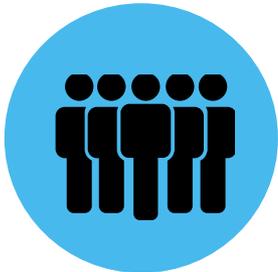
is all about creating a community-based platform for innovative new business proposals that significantly contribute to the overall goals of the sponsor



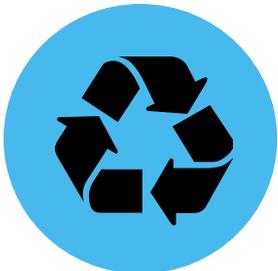
Recycle by Design



- ▶ Is an incentivized challenge created to ignite the development of innovative new public private partnerships over the total value chain in the waste management sector, including the development of end markets for recycled material
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- ▶ Local, regional, and state level teams comprised of private and public sector partners will be encouraged to advance "outside the box" thinking with funding made available (at qualifying stages) to fully develop the ideas/plans; leading to solid business driven proposals
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- ▶ Recycle by Design is a strategy for growing an innovative market development platform combined with public private funding mechanisms



Built on a Foundation of Working Together

REBUILD BY DESIGN

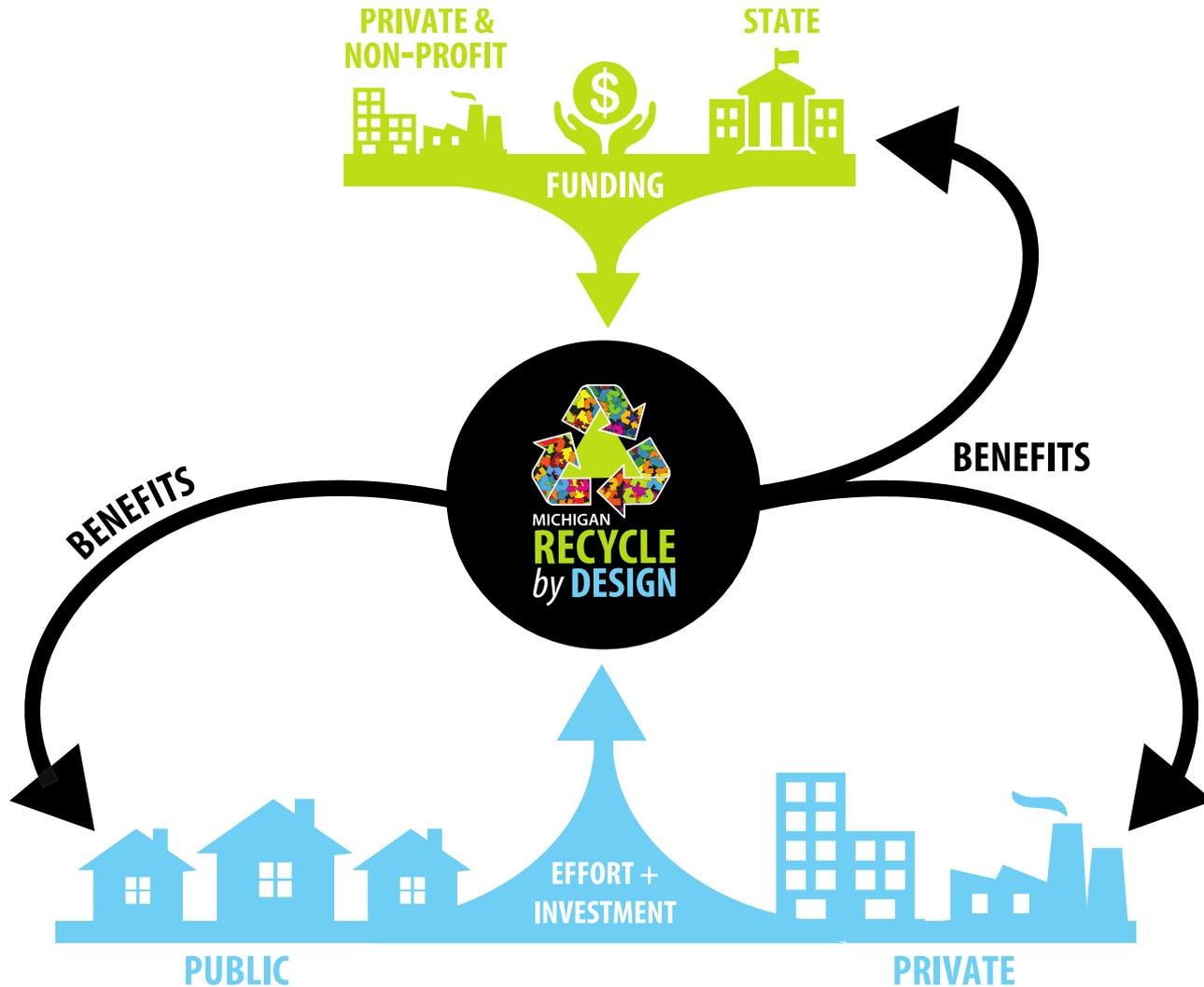
Placed local communities and civic leaders together at the heart of a robust, interdisciplinary, creative process to generate implementable solutions for a more resilient New York metro region.

This is the foundation of Recycle by Design.

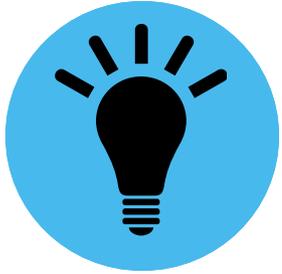




Beneficial Public Private Partnerships



A Platform for Innovation



RECYCLE BY DESIGN

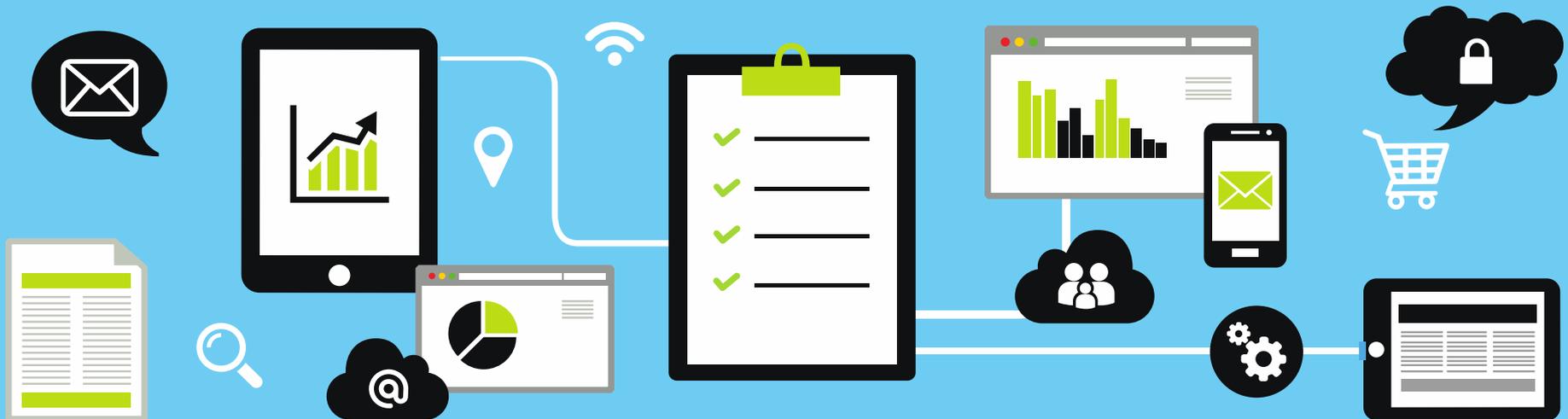
Creating an open platform for developing innovative new proposals that meet the following criteria:

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- ▶ The implementation contributes significantly to the increase of the state recycling rate
 - ▶ The participating team presents a solid business case and has project financing arranged (through private or public private funding)
 - ▶ The participating team is able and willing to implement the proposal with the support of Recycle by Design
 - ▶ The participating team can demonstrate that their proposal has the support of the local community or communities via active local participation in the design development



Conceptual Design Moves to Innovation

- ▶ Encouraging innovative approaches towards materials & markets resulting in a stronger, more durable recycling infrastructure
- ▶ Technically and financially supporting the most robust solutions that will collectively contribute to a significant increase of the local, regional, state recycling rate
- ▶ Taking 5-7 design proposals with the strongest business cases into the implementation phase to serve as models for sustainable growth





Team-Delivered Positive Impacts



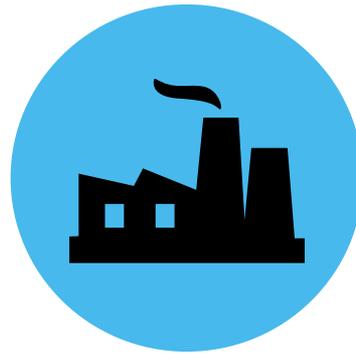
RECYCLE BY DESIGN *aims to build stronger more robust regional economies whose positive impacts will be realized within your own individual communities.*

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- ▶ Developing new long-term skilled and unskilled job opportunities
 - ▶ Strengthening local and regional workforce development
 - ▶ Contributing to a better understanding of local/regional vulnerabilities, strengths, and interdependencies as they relate to recycling and resource management
 - ▶ Introducing “best practices” resource management
 - ▶ Reinforcing and supporting the growth of sustainable waste practices
 - ▶ Improving overall environmental quality now and for future generations
 - ▶ Igniting and encouraging innovative out-of-the-box thinking while addressing new industry trends

Visualize a Future Where...



Five counties
in a rural area
with a tourist-
based
economy
collaborate...



A manufacturer
looking to secure
recycled feedstock
for their
manufacturing
process partners
with...



The primary
hauler for eight
smaller
communities sets
up a regional
partnership...



Reaching Out



We have a website where we regularly provide updated information: www.recycle-by-design.com



For further information:

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