Achieving full materials reuse requires us to address the *entire* waste stream, rather than individual segments of it.

Today’s recycling and waste management systems are structurally incapable of achieving needed environmental and economic performance.

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**The waste challenge**

- Greater than 450 million tons of waste generated annually in the US\(^1\)
- Less than 20 years disposal capacity remaining in the US\(^1\)
- Approximately 25% recovery of discarded materials, including yard waste\(^1\)
- Greater than $150 billion in potential product value buried or burned each year\(^2\)

*Sources:*

\(^1\)Waste Business Journal 2022 Data Pack
\(^2\)Upland Road calculations
Our solution transforms waste into its highest value with robust, efficient infrastructure.

Combining technology and infrastructure on an advanced materials campus unlocks greater value from discarded materials and reduces cost for municipalities and consumers.
SMART Centers™ gain their economic value from on-site production and co-location with off-take partners

UNSORTED SOLID WASTE

SMART-UR™ Separation System

SEPARATED WASTE

- Paper
- Glass
- Plastic
- Metal
- Yard waste
- Food waste
- Leather, wood, rubber, furniture, textiles
- Electronic waste

CONVERSION

- Kraft, tissue paper
- Foam glass aggregate; cullet
- Plastic pellets & products
- Metal commodity bales
- Certified compost
- Biogas, soil amendments
- Biochar, syngas, char, metal
- Metals, plastic, glass

FINISHED PRODUCT

Low carbon energy AND clean, recovered materials for sale to off-take partners
SMART-UR™ Separation System process flow = High quality products and feedstocks