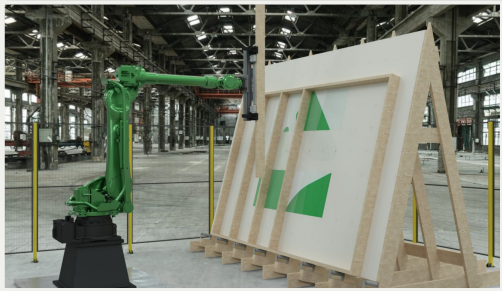


Re-framing Re-X

Data-Driven Circularity in Construction Material Flows for Offcuts and Waste:
A Zero-Waste Factory Approach

Goal: To engineer a circular, zero-waste approach to factory construction by transforming wood, drywall, and other construction material waste into new building materials.



Summary

Established Waste Streams

- Construction Materials
- Wood Products / Drywall / Insulation

Phase 1, *Identify!*: Reframe is looking to use this phase to fully analyze our established waste streams, and create re-manufacturing and re-purposing plans for each of our waste streams, with a special focus on wood and drywall offcuts.

Benefits:

1. **Cost Efficiency - Lowering Consumer Prices**
2. **Resource Efficiency**
3. **Circular Economy Innovation**

Since we are working with the system boundary of the factory, we can closely track our waste streams and sort them through our “Re-frame Re-x” approach: remanufacture in-house wherever possible and maximize direct repurposing into future products. We want our Andover factory to serve as a template for our future factories as a “zero-waste factory.”