

Wood Up

– Hamilton as a zero wood waste city

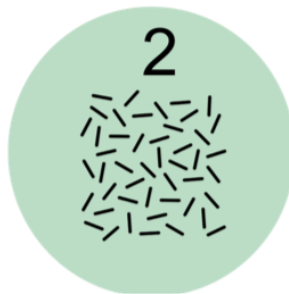
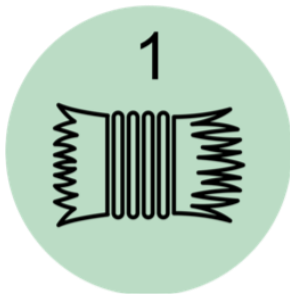
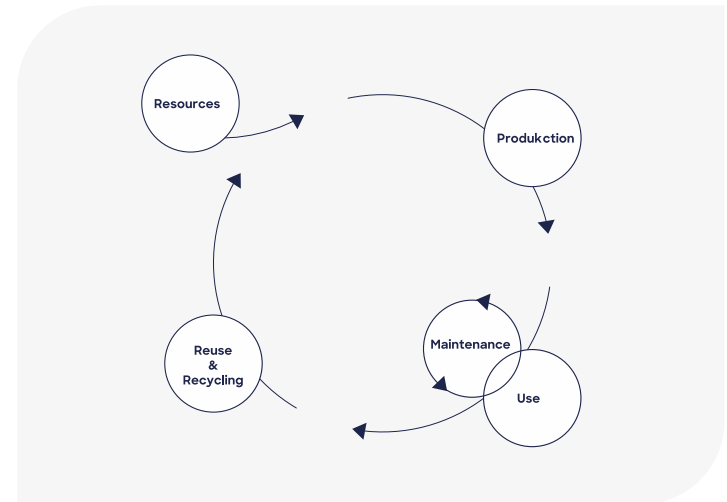
*Tripplex / Advance Nonwoven/
Minor Change Group*

Introduction to Wood Up

Closing the loop for wood – starting with acoustic panels, batts, sealing ect.

Two solutions

- **Tripplex** - acoustic supplier with advanced approach to circular business models to close the loop for wooden panels.
- **Advance Nonwoven** - patented technology offers competitive upcycling of various fiber materials such as wood, textiles, bio fiber, mineral wool, glass fiber etc..



Applicability to retrofitting process

Two scenarios:

- Working with the reuse of wood for new panels (Tripplex)
- Working with recycled wood into new panels (Tripplex+ Advance Nonwoven+?)



Impacts

- Turning non-value materials into value.
- Beginning of true CO₂- neutral houses
- It is estimated that 15 percent of all greenhouse gas emissions come from deforestation, according to the WWF.
- Beginning a new revolution in the wood industry.
- Local production – local jobs and social entrepreneurship.
- Just the beginning....



Solid Textile Board



Business case

Closed loops for wood will be the future – let's get started

Tripplex – recycle and reuse products for same price as other design panels.
Possible to cut prices over time when sourcing and new value chain is optimised.

- *Low cost start 300.000 – 1 mill. CAD*
- *Shipping is not possible, local production is a must,*
- *Local partner with network to the market and*
- *Advanced sales competences is needed.*

Advance Nonwoven – low cost and efficient production facility gives a low cost production.

- *Reducing costs with up to 40% of market price depending on the end product.*
- *Cost of a standard factory is 5-6 Mill. CAD*

Various business models – sale, ventures, corporations, test facility etc.



Integration roadmap: Next steps

- **Tripplex:**
 - 1. Mapping, assessment and sourcing of wood - quantity and quality of wood in Hamilton. Outline design and tech-implementation possibilities.
 - 2. Set-up - partners and investors joining forces.
- **Advance Nonwoven:**
 - 1. Define interest – investor, venture, sale?
 - 2. Build Nonwoven plant in Canada.

WOOD CASCADE ACCORDING TO CRADLE TO CRADLE

