

# 5 streams of a value hierarchy



**01** Supplying the secondhand market with clothes where they are wanted is the most sustainable option. It prolongs their lifespans, preserving embodied energies from their production. Dead-stock or "faulty" materials decrease the need for virgin feedstock for producing new goods. As more brands adopt secondhand sales, the trend is evolving into a lifestyle choice. Reduced production also conserves water, chemicals, energy, and minimises overall waste, including greenhouse gas emissions.

Upcycling creatively repurposes second hand clothes (SHC) and uniforms, elevating them into higher-value products without breaking down the original materials. By extending textile lifespan and conserving resources, upcycling aids in waste reduction and promotes responsible, sustainable consumption. This includes repairs and refurbishing, contributing to these efforts.

**02**



**03**

Remanufacturing absorbent fabrics into cleaning cloths is repurposes and extends the life of materials that would otherwise be discarded. This repurposing practice plays a part in reducing the need for new cleaning products all while extending their lifespan.



Mechanical Recycling sends pre-sorted textiles to our U4B Office in India, where partners use machinery to separate fibers for spinning into uniform yarns. We employ security seals and provide a report, including an environmental impact certificate, to ensure effective recycling processes.

**04**



**And more...**

When there is the right feedstock and demand for the product, shoes become composite flooring for playgrounds.

Downcycled short staple fibres are compressed into non-woven sheets for surfaces like these retail seat covers.



**05**

Processed Engineered Fuel (PEF) is produced from various materials, including textiles, using controlled engineering processes. It serves as a partial substitute for fossil fuels in cement kilns due to its high calorific value and is a waste-to-energy solution for textiles unsuitable for other uses, extracting their energy value instead of sending them to landfills.

