

2025 Cohort Theme | Innovation and Circularity in the Textile Value Chain

Technology as cross-cutting enabler across the circular textile ecosystem



01 Minimising Pre-Consumer Textile Impact

Opportunity to **optimise resources and reduce inefficiencies** in pre-production processes, to **minimise waste** generated



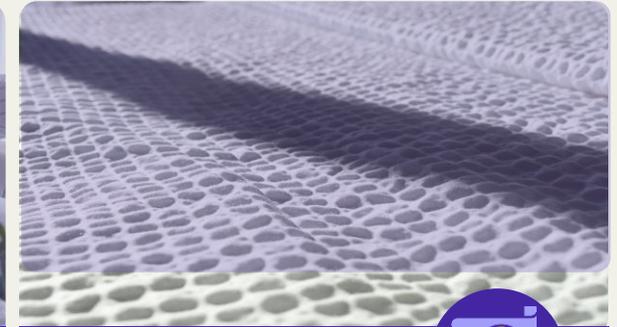
02 Transforming Post-Consumer Textile Impact

Post-consumer textile waste is a largely **untapped resource**. Recovering, recycling, and regenerating used textiles can **divert waste from landfills**, **reduce reliance on virgin materials**, and **strengthen circularity** across the value chain.



03 Keeping Apparel in Circulation

Promoting the **reuse, repair and durability** of clothes and apparel that are already owned can **lengthen their lifespan** and help to **significantly reduce environmental impact**



04 Innovating with Alternative and Sustainable Materials

Developing innovative, **eco-friendly materials** can replace **resource-intensive or non-biodegradable textiles**, supporting the transition to a more **sustainable and regenerative industry**

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01 Minimising Pre-Consumer Textile Impact



- AI for defect detection and quality control
- Demand forecasting and waste optimisation tech
- Clean chemistry solutions
- Water and dye recovery, reduction or elimination tech
- Decarb technologies (e.g.: electrification tech, heat system transitions)
- Design and cutting optimisation
- Match deadstock fabrics with secondary users or recyclers
- Repurposing fabric offcuts and excess inventory

02 Transforming Post-Consumer Textile Impact



- Tech for clothing collection, sorting, and disassembly services
- Automated and precise textile-sorting tech
- Smart textile recovery technologies for reusing fibers and materials
- Software matching sorted waste with recyclers
- Upcycling and downcycling textile waste into new products

03 Keeping Apparel in Circulation



- Resale and rental marketplaces, including virtual wardrobes
- Textile care, repair, and refurbishment services to extend fabric durability
- Traceability solutions supporting reuse, resale, and recycling efforts
- Circular supply chains and business models for material reuse
- Closed-loop production systems maximising resource efficiency

04 Innovating with Alternative and Sustainable Materials



- Bio-based and biosynthetic materials
- Low carbon materials
- Textile materials upcycled from non-textile waste, such as agricultural or food waste
- Tech to detect “recycle yarns”, certify “organic” materials
- Tech for textile waste valorisation into products like chemicals and biofuels
- Compostable, fully biodegradable textiles
- Textile infusion tech enabling innovative product forms
- Sustainable (primary and secondary) packaging materials and design

Potential sub-themes (non-exhaustive)

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Qualifying Criteria

Alignment to Theme



- Service or product addresses sustainable development challenge that falls under the **relevant impact theme and sub-themes**
- **Committed to creating positive impact**

Geography



- Service or product must currently, or have an intention to, **serve Asian markets**

Stage / Maturity



- Evidence of **product market fit**
- **Early deployment** of MVP delivered to an **existing paying customer base**
- Ready with a **strategy to scale** (within local market or expand internationally) within the **next 2 years**

Commerciality



- Company has long-term-ambition to be **financially viable and sustainable**
- **Not a permanently concessionary** model