SIRD #98
SOCIAL INVESTMENT ROUNDTABLE DISCUSSION

Social Investment Indonesia

Circular Economy and Waste to Value:

Mengubah Limbah Menjadi Solusi, Menciptakan Dampak Keberlanjutan



Basrie Kamba
Chair of Executive Board
Rantai Tekstil Lestari



Rendy Aditya Wachid
Chief Executive Officer (CEO)
Parongpong Recycle And Waste Lab



Jalal
Chairperson of Advisory Board
Social Investment Indonesia

Host:



Nur Astri Mufthia S.
Associate
Social Investment Indonesia

Jumat, 22 Mei 2026

15.00 - 17.00 WIB

socialinvestment.id

0813-8808-511

Via zoom @SocialInvestment_Id

RANTAI TEKSTIL LESTARI

“SIRKULARITAS DALAM RANTAI PASOK TEKSTIL: MENUJU INDUSTRI LESTARI”

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Apa yang Menjadi Kendala Utama Dalam Membentuk Ekosistem Fesyen Sirkular di Indonesia?

menti.com
use code
2199 4529

Apa yang Menjadi Kendala Utama Dalam Membentuk Ekosistem Fesyen Sirkular di Indonesia?

RANTAI TEKSTIL LESTARI

About Rantai Tekstil Lestari

Rantai Tekstil Lestari (RTL) is a non-profit association, launched on September 9, 2021, established by eight founders based on their shared concerns about sustainability in Indonesia's textile supply chain.

The association aims to be a place where all stakeholders related to the textile industry can gather and connect to share knowledge, best practices, and seek opportunities for potential collaboration.

Our Vision

To create a more inclusive, innovative, and sustainable textile, apparel, and fashion industry in Indonesia—one that generates economic growth, strengthens social equity, and protects the environment.

Our Mission

To mobilize and connect stakeholders who share the vision of a just and sustainable transformation of Indonesia’s textile and fashion industries.

Founding Organizations of RTL

ASIA PACIFIC FIBERS .Winning Together.

APR

BUSANA APPAREL GROUP EST. 1975

H&M

Lenzing Innovative by nature

PT PAN BROTHERS Tbk

Sritex PT Sri Rejeki Isman Tbk

KEHATI

Our Members

46

Individuals:
Designers, brand owners, lecturers, researchers, SMEs represenatives, students, etc.

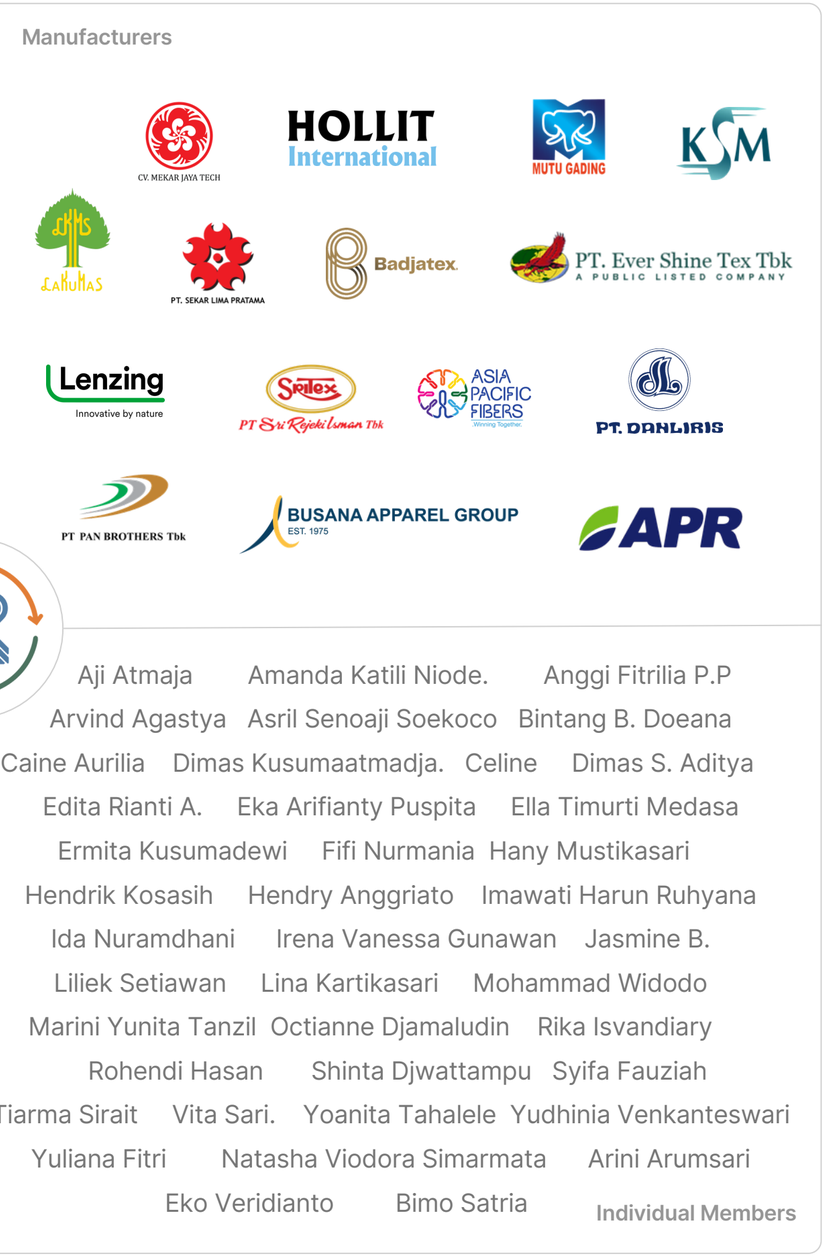
42

Organizations/corporations:
Manufacturers, universities, brands, retailers, SMEs, startups, associations, etc.

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RTL Members





Aji Atmaja Amanda Katili Niode. Anggi Fitrilia P.P
Arvind Agastya Asril Senoaji Soekoco Bintang B. Doeana
Caine Aurilia Dimas Kusumaatmadja. Celine Dimas S. Aditya
Edita Rianti A. Eka Arifianty Puspita Ella Timurti Medasa
Ermita Kusumadewi Fifi Nurmania Hany Mustikasari
Hendrik Kosasih Hendry Anggriato Imawati Harun Ruhyana
Ida Nuramdhani Irena Vanessa Gunawan Jasmine B.
Liliek Setiawan Lina Kartikasari Mohammad Widodo
Marini Yunita Tanzil Octianne Djamaludin Rika Isvandiary
Rohendi Hasan Shinta Djwattampu Syifa Fauziah
Tiarma Sirait Vita Sari. Yoanita Tahalele Yudhinia Venkanteswari
Yuliana Fitri Natasha Viodora Simarmata Arini Arumsari
Eko Veridianto Bimo Satria

Individual Members

Our Strategic Partnerships

Circular Fashion Partnership (CFP) Indonesia

Launched on October 3, 2024, RTL has been appointed as the National Lead. The initiative aims to close the loop on material cycles by capturing and recycling post-industrial textile waste.

Global Green Growth Institute (GGGI)

Sustainability Reporting for Textile Sector

Indonesian Mode Design Association

RANTAI TEKSTIL LESTARI

Annual Report 2024-2025

Documenting two years of progress



rtl.or.id/report/

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TEKSTIL
LESTARI



Textile Industry Value Chain



TIER 4	TIER 3	TIER 2	TIER 1	TIER O		
RAW MATERIAL EXTRACTION	**RAW MATERIAL PROCESSING**	**MATERIAL PRODUCTION**	**FINISHED PRODUCTION ASSEMBLY**	**OFFICE, RETAIL, DISTRIBUTION**	**CONSUMER USE**	**END OF LIFE**
Cultivation and extraction of raw materials from the earth, plants and animals	Processing of raw materials into yarn and other intermediate products	Production and finishing of materials (e.g. fabric, trims etc.) that go directly into finished products	Assembly and manufacturing of final products	Corporate real estate not involved in production processes	Consumer care: washing, drying, dry cleaning etc.	Reuse, recycle, dispose

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Circular Textile Industry Value Chain

RAW MATERIAL EXTRACTION → RAW MATERIAL PROCESSING → MATERIAL PRODUCTION → FINISHED PRODUCTION ASSEMBLY → OFFICE, RETAIL, DISTRIBUTION → CONSUMER USE → END OF LIFE

POST-INDUSTRIAL SECONDARY MATERIAL

POST-CONSUMER TEXTILE WASTE / WORN CLOTHES

CLOSED LOOP SYSTEM

Recovered textile waste is processed back into raw material for the textile industry

COLLECTION & SORTING

OPEN LOOP SYSTEM

Recovered textile waste is processed into products outside the textile value chain



Napkins | Homeware | Acoustic panel | Other non-textile applications

Pable Indonesia: A Socially Embedded Circular Business Model

Beyond waste diversion: creating environmental, social, and economic value



Circular model with community-based value creation

1. Diverting Waste from Landfill

Collects and recycles pre- and post-consumer textile waste through programs such as Portable and the Uniform Disposal Program.

2. Raising the Value of Waste

Textiles are sorted by fiber composition and color, then transformed into recycled yarns, fabrics, and new products.

3. Empowering Local Communities

Pable works with traditional weaving communities in Pasuruan, helping improve productivity through better workflows and rejuvenated hand-looming machines.

4. Creating Inclusive Circular Economy Benefits

The model preserves local craftsmanship, supports livelihoods, and distributes economic value more inclusively across the textile value chain.

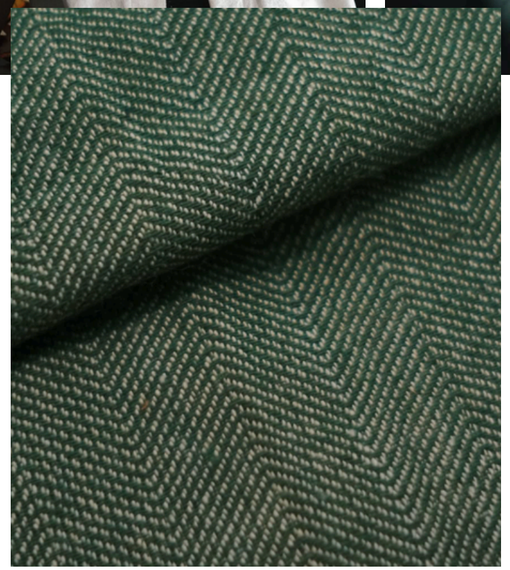
Pable®









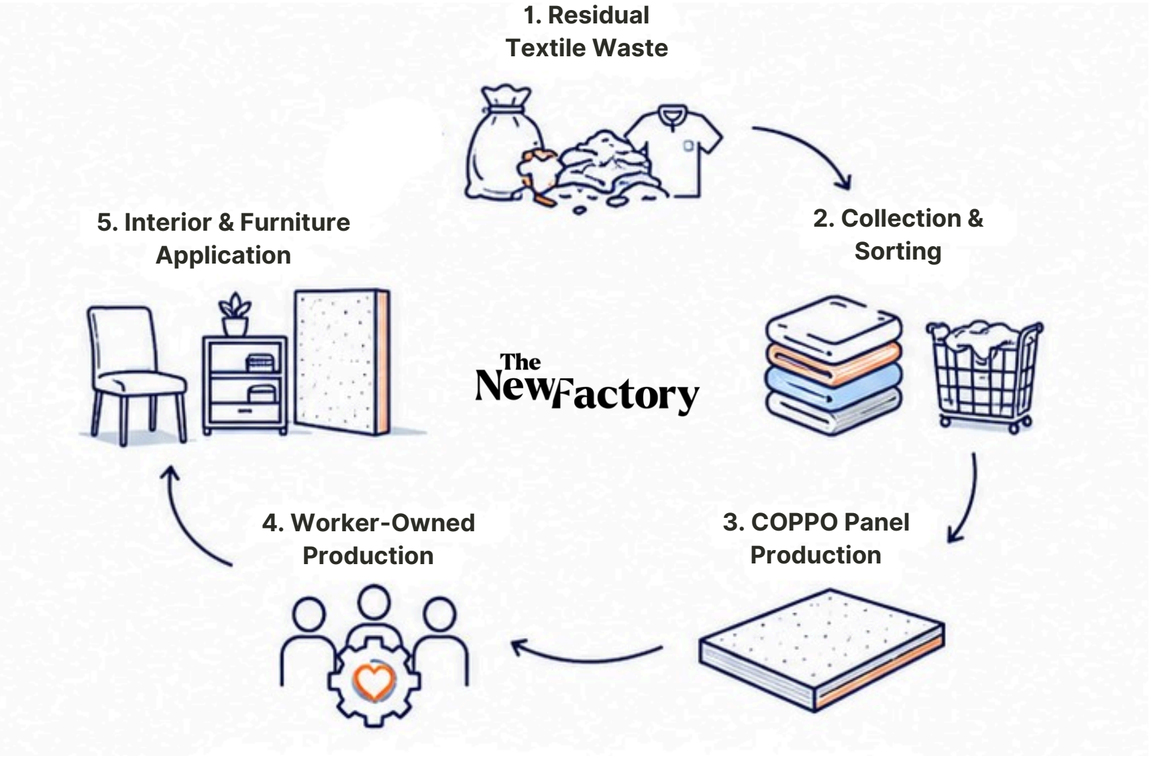






The New Factory: Worker-Owned Circular Material Innovation

Turning hard-to-recycle textile waste into inclusive material innovation



Circular material innovation with shared ownership

1. Cooperative Model

The New Factory describes itself as a worker-owned fashion circularity lab and a cooperative experiment for a just circular fashion economy.

2. Turning Hard-to-Recycle Waste into Value

COPPO utilizes residual textile waste, including uniforms, off-cuts, and mixed textile streams that are often difficult for conventional recycling routes to absorb.

3. Material Innovation for New Markets

COPPO transforms discarded fabrics into durable solid panel boards that serve furniture, store and retail display installations, fixtures, and other interior applications.

4. Inclusive Circular Economy Impact

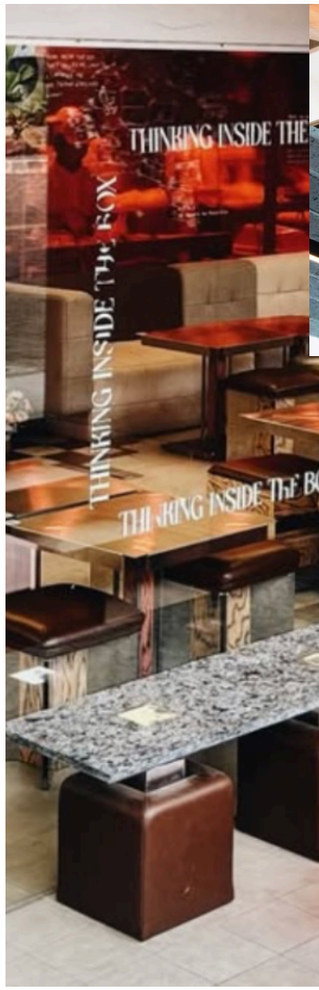
The model links landfill diversion, material innovation, and green jobs while ensuring workers benefit from the growth of circular value chains.

The New Factory













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Circular Textile in Global Landscape

RENASENS

A waterless technology **reinventing** how textiles are **recycled.**

Renasens' proprietary two-step process transforms blended textile waste into separate intact fibers, cost-efficiently, and without compromising quality.

Our waterless technology uses less energy than conventional solutions, cutting both climate impact and operating cost. Because we avoid depolymerization, the fiber integrity stays intact, delivering consistent, high-performance output that our customers recognize. Built on years of research the process is modular and now ready for large-scale commercialization.

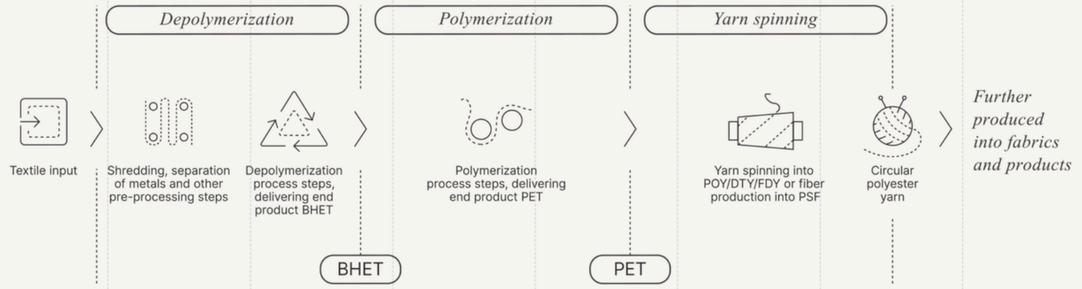
ambercycle

Molecular Regeneration

At Ambercycle, we're changing humanity's relationship with materials. We believe textiles and cor valuable materials that should be completely regenerative, the way basic materials are in nature. V by transforming end-of-life goods into decarbonized raw materials—deployed at a global scale to generation of products. cycora®, our high-quality regenerated polyester, is our first product that c and versatility as virgin polyester, at less than half the CO2 emissions associated with petroleum-b

Syre

Circular polyester
through chemical recycling



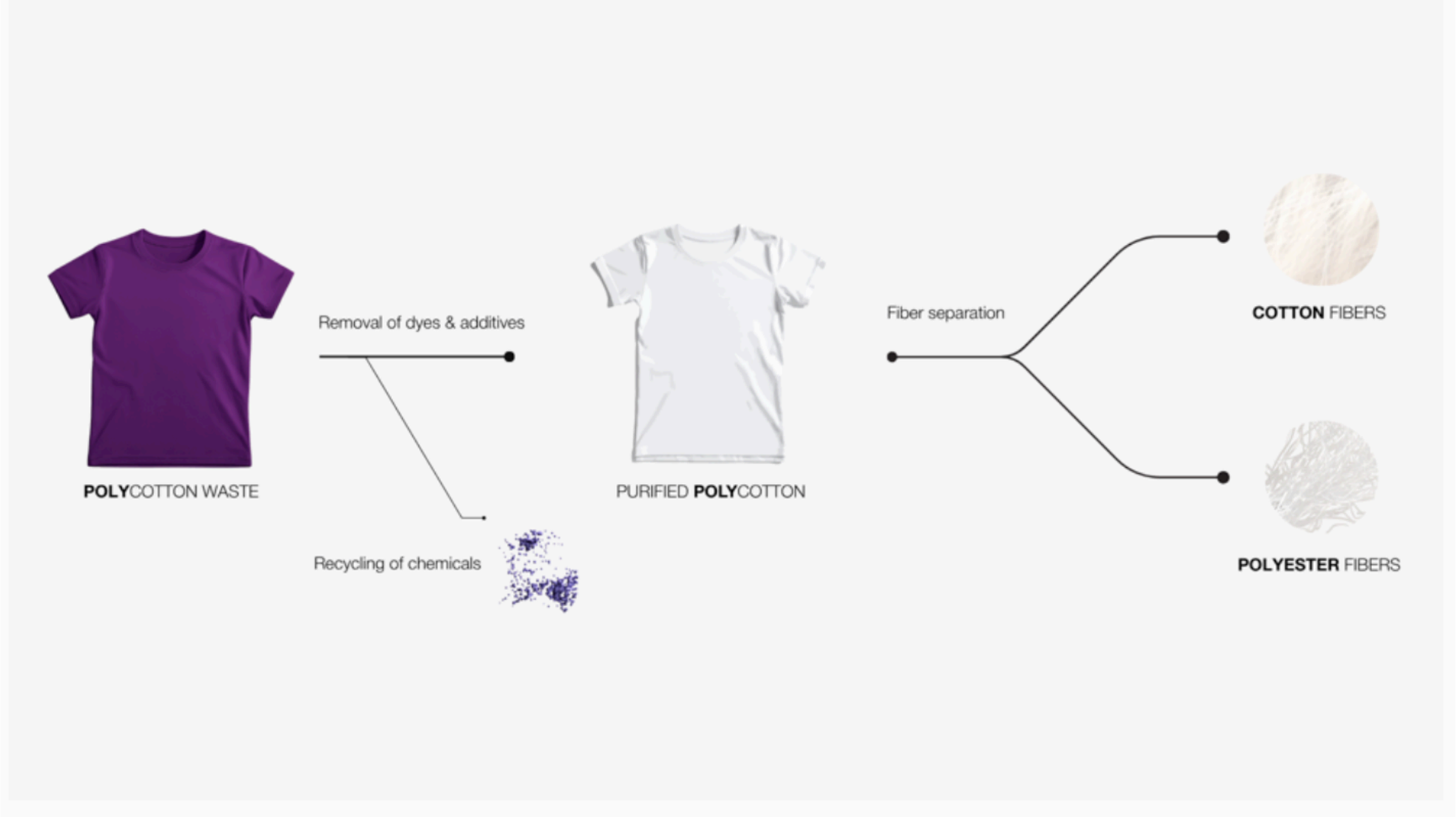
samsara eco

We disrupt the linear take-make-waste economy of plastics. We use AI-crafted enzymes to break plastics and textiles back into their original building blocks (monomers) so they can be recreated into new apparel, packaging, airbags (you name it).

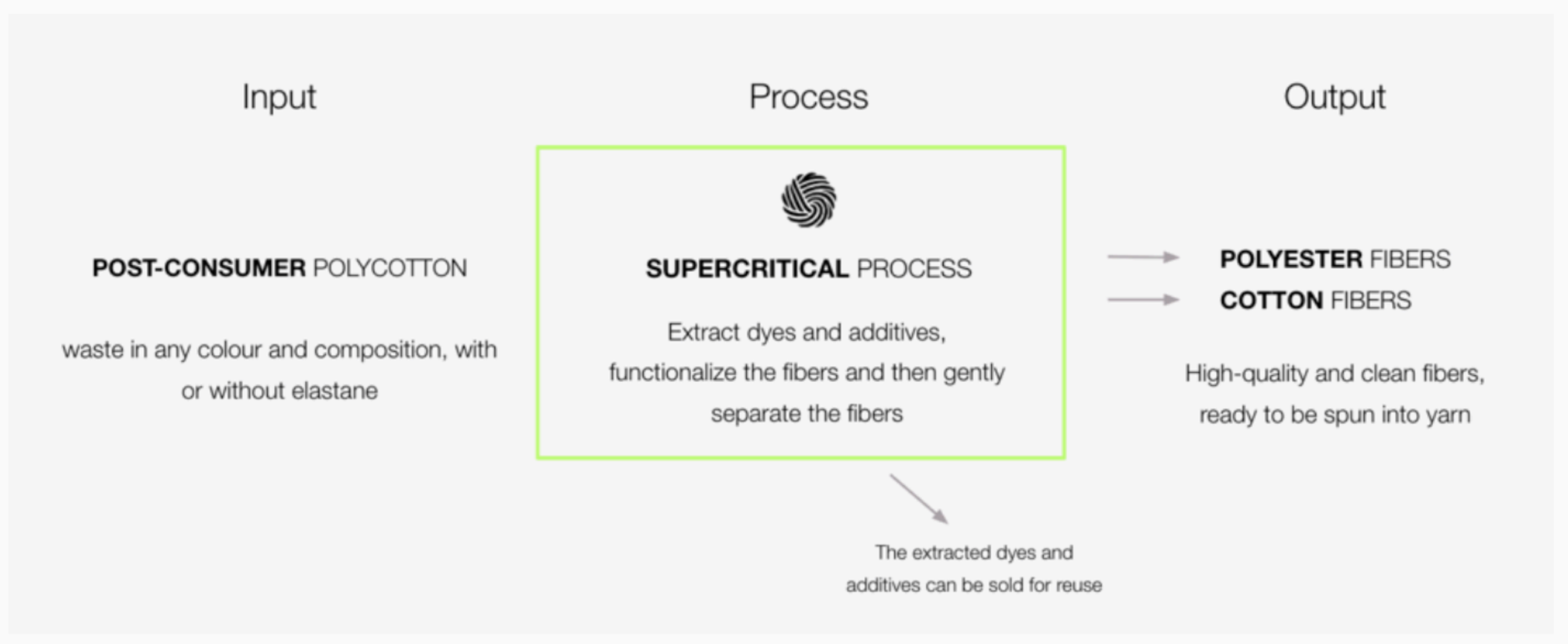
1. Collect end-of-life plastics.
2. Enzymes break down plastics.
3. Monomers are purified.[1]
4. Ready for recreation.

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Some Initiatives



Some Initiatives



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Packaging



