

Reverse Resources

Redefining waste as a resource
by making it visible, usable & traceable



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THE COLLABORATORY



Transitioning to a circular economy has already started

The industry needs to shift to fulfill the commitments made by brands



UNITED NATIONS



TOMMY HILFINGER

KERING



ASOS
discover fashion online



INDITEX



To reach circularity fashion industry needs to:

1. **Join efforts** with others & network
2. Set up high-end quality **recycling supply chains**
3. **Lower costs, grow efficiency** & scale up recycling
4. Provide **full transparency** for buyers of circular supply chains

High-quality recycling market is about to boom

Cotton recyclers

CYCLO

recover



re:newcell

Lenzing

Innovative by nature

EV^RNU



TEXLOOP
RECYCLING



Birla Cellulose
Fibres from nature

Polyester recyclers

RE^RVE

Patrick  Yarns



TEIJIN

AMBERCYCLE

Mixed / other fibers

worn
again



PURFI

MARTEXFIBER

grēn
REDUCE REUSE RECYCLE

ECONYL

NILIT



TYTON
BioSciences

CURRENT REALITY

CHALLENGES

- 1** #cutting scraps are unsegregated
#highly contaminated
#lowest value
#zero visibility
- 2** #no value addition
#raising the cost
- 3** #primitive method of segregation
#up to 40% process loss
#moderate level of contamination
#multiple stakeholders further increases cost
- 4** INPUT
#high price, low quality, high risk (zero traceability)
#high operation cost (lab testing, further cleaning & segregation)
OUTPUT
#poor to moderate quality material
#high price
- 5** #no overview
#low quality
#high price

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REVERSE RESOURCE SOLUTION

OPPORTUNITY

- 1** #segregated at source
#contamination free
#higher value
#trace to recycling
#buy back opportunity
- 2** #1-stop solution for collection, storage and shipping
#high value increase for moderate price increase
#part of a transparent supply chain
- 3** INPUT
#moderate price
#high quality
#full traceability
#minimum operation cost
OUTPUT
#high quality material
#moderate price
- 4** #scalable highest quality raw material
#cost not exceeding virgin material
#full traceability – minimum risk
#huge environmental footprint reductions

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**Garment
supplier**

**Waste
handler**



**AGGREGATING
PLATFORM**
to make waste
**visible, usable,
traceable**

Brand

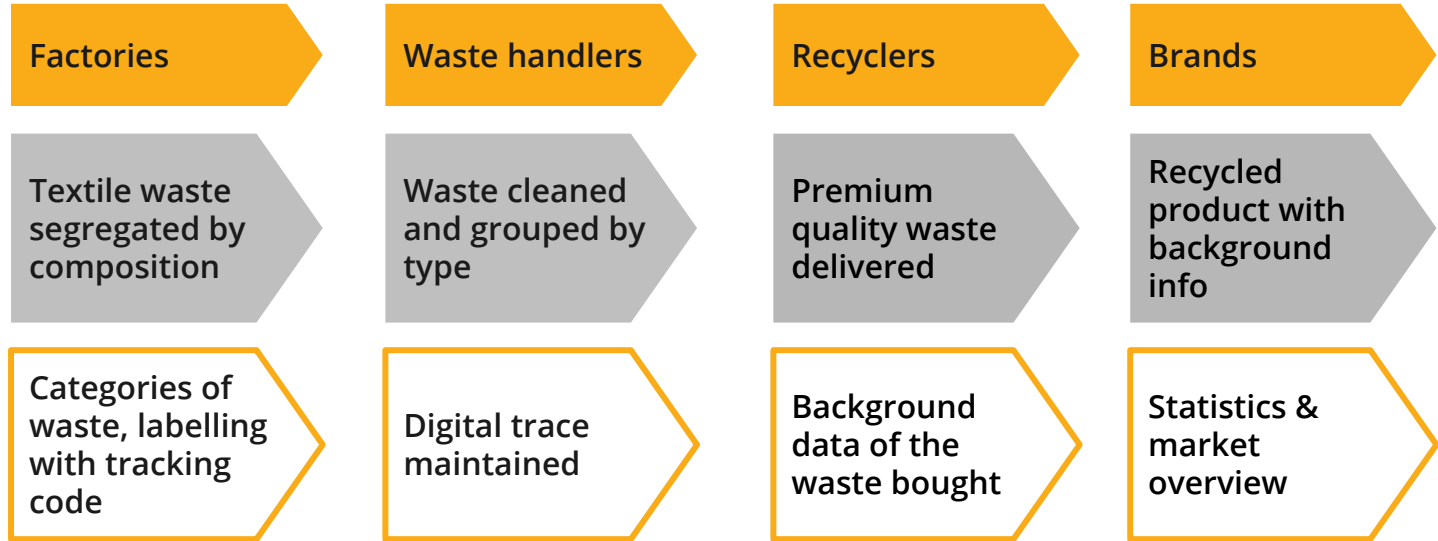
Recycler



SOLUTION

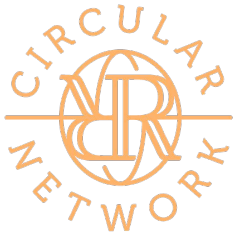
Step 1: Reporting rough volumes of waste

Step 2: Matchmaking with indications from recyclers



Step 3: Segregation & filling orders

Step 4: Market insight & reporting on circular progress





VALUE ADDED

Factories

Up to 10x better market price. Circularity reports available for HIGG Index and sustainability reporting.

Waste handlers

Participate in market expansion & value increase

Recyclers

Cost reductions, control of feedstock, trust, access to premium quality waste

Brands

Transparency & circularity with no extra cost. Better quality recycled material at price-competitive level.

INVESTMENT NEEDED

Minor process change in cutting room waste management. Regular data reporting to RR platform.

Formal setup of collection, cleaning, bailing, storage and logistics services & export license is needed to participate.

Making sourcing requests and shipment confirmations through RR platform

Transparency & circularity with no extra cost

Market potential in the example of Bangladesh

**4000
factories**



>400 000 tonnes
of leftovers / year

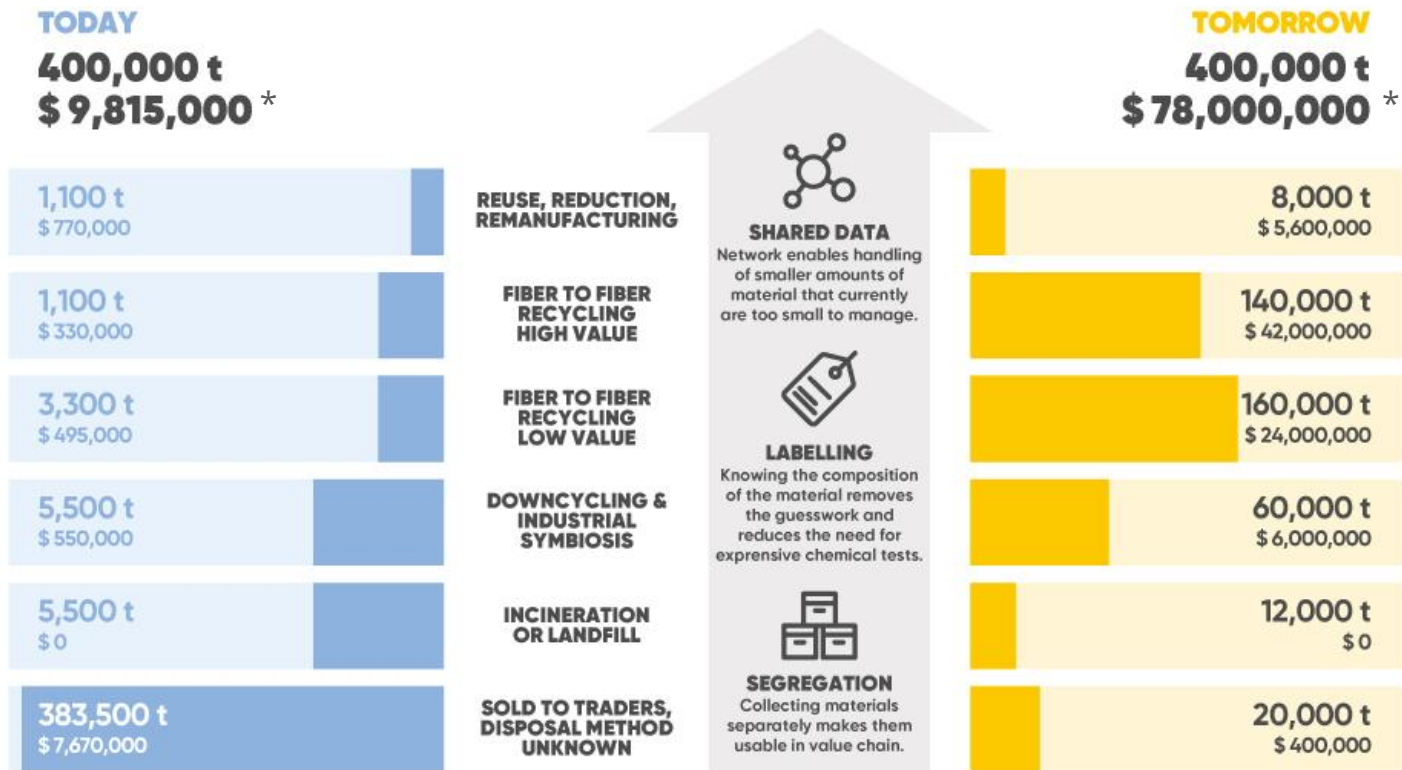


1 billion garments
could be made by
recycling with total market
value of **3 billion USD**



**1.6 mln tonnes of CO2-eq avoided,
420 million m3 of water saved**

VALUE OF BANGLADESH TEXTILE SCRAPS IN RELATION TO DISPOSAL HIERARCHY *



* Value earned by the suppliers for their waste

RR has already built a great network:

>400 tonnes

of waste traced from factories to recycling with full background trace & material passport

Database of
**920 factories,
25,000 t / month**










of textile waste from 14 countries

**>5000
tonnes/month**

recycling capacity in our networks, mostly cotton to start with

8 major suppliers joined to segregate waste at source with total of
**200+ t/month of
100% cotton waste
available**

Recycling requests already waiting for a shipment

Rec reg id	Country/Closest city	Fabric type	Fiber	Color	Volume requested	Price(Kg)
46	Spain, Banyeres de Mariola 🇪🇸	Knit	cotton, up to 20% polyester 	Any but solid color	5000 kg	\$0.38
47	India, Panipat 🇮🇳	Knit	polyester, up to 10% lycra / spandex / elastan 	Mixed colors	27000 kg	\$0.14
48	Sweden, Kristinehamn 🇸🇪	Woven	cotton, up to 2% lycra / spandex / elastan 	Any but solid color	27000 kg	\$0.16
37	Pakistan, Faisalabad 🇵🇰 ⚓	Knit	cotton 	Optical White	20000 kg	\$0.43
41	Pakistan, Faisalabad 🇵🇰 ⚓	Knit	cotton 	Mix Solid Color	12000 kg	\$0.24
44	India, Chandigarh 🇮🇳	Knit	cotton 	Any but solid color	27000 kg	\$0.19
45	India, Mumbai 🇮🇳	Woven	cotton 	Whites	27000 kg	\$0.19
49	India, Ahmedabad 🇮🇳	Knit	cotton 	Whites	27000 kg	\$0.19
50	India, Panipat 🇮🇳	Knit	cotton 	Any but solid color	27000 kg	\$0.19

Reports from RR system to confirm waste circulation and give 360 degree transparency

Material tracking

Reports

Marketplace

My Categories

Company profile

Textile waste report

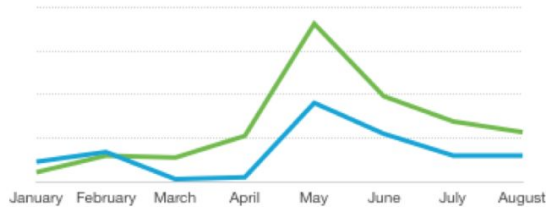
Yearly outgoing

20 448 kg

Yearly recycled

18 448 kg

Material by month

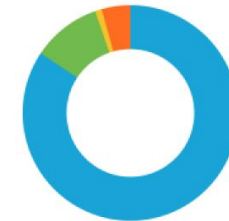


Material by type



- Cotton 100%
- 92% cotton or above
- 65% cotton, up to 35% polyester
- 100% Nylon / Polyamide
- 65% cotton, up to 35% polyester

Material by destination

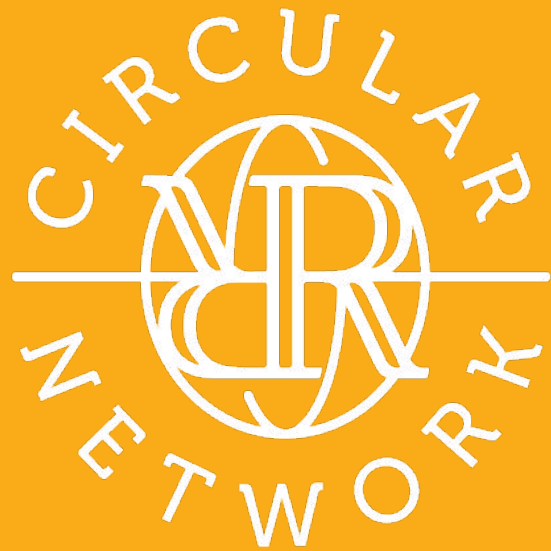


- India
- Pakistan
- Sri Lanka
- Belgium

Active deals

India, Delhi	Cotton 100%, Whites	3000 kg	\$0.28	2018-10-15	IN COLLECTION	⋮
India, Delhi	Cotton 100%, Whites	3000 kg	\$0.28	2018-10-15	SHIPPED	⋮





**Join our network and
let's turn fashion
circular together!**

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