To deliver on this it is our MISSION to deliver practical and scalable circular economy solutions to the world.

It is our VISION to contribute to a prosperous world of finite resources by accelerating the transition to a circular economy.

circle-economy.com
THE WHY

BRANDS

CONSUMER

70% LOST

30%

64% REWEARABLES

NON-REWEARABLES

DOWNCYCLED
LANDFILLED
INCINERATED

COLLECTOR & SORTER
THE HOW

HIGH VALUE RECYCLERS → BRANDS

24% POTENTIAL

CONSUMER

70% LOST

30%

FIBSORT

COLLECTOR & SORTER

NON-REWEARABLES

64% REWEARABLES

DOWNCYCLED, LANDFILLED, INCINERATED
THE PROJECT

TIMELINE
2016 - 2020

TOTAL BUDGET RECEIVED FROM INTERREG NWE
€2 million of ERDF

TOTAL PROJECT BUDGET
€3.5 million
THE FIBERSORT TODAY

NEW AUTOMATED FEED-IN SYSTEM WITH 2 ROBOT ARMS

- Sorting by material composition: (Cotton, Wool, Acrylic, Polyester, Polyamide, Viscose)
- Sorting by colour (15 cores, multi-colour recognition)

PRODUCTIVITY

1.5 sec/piece - Theoretical capacity: 3 sec/piece per robot. Robots are modular and expandable up to 4 on the same line.
THE BARRIERS FOR IMPLEMENTATION

- A growing mountain of non-rewearable textiles
- Negative perception on recycled content
- Lack of urgency for textile waste
- The changing composition of post-consumer textiles
- The unknown origin of post-consumer textiles
- Higher prices for recycled content
- No market pull for non-rewearable textiles
WHAT CAN YOU DO TO CLOSE THE TEXTILES LOOP?

COLLECTOR

SORTERS

RECYCLERS

BRANDS

POLICY MAKERS

CONSUMERS

fibersort.eu
RECYCLING TRIALS
WHAT'S NEXT?

FIBERSORT TECHNOLOGY OPTIMISED AND COMMERCIALISED
Valvan Baling Systems

FIBERSORTED POST-CONSUMER TEXTILES
Smart Fibersorting - Wieland Textiles

CONTINUED RESEARCH & IMPLEMENTATION - Circle Economy

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THANK YOU!

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