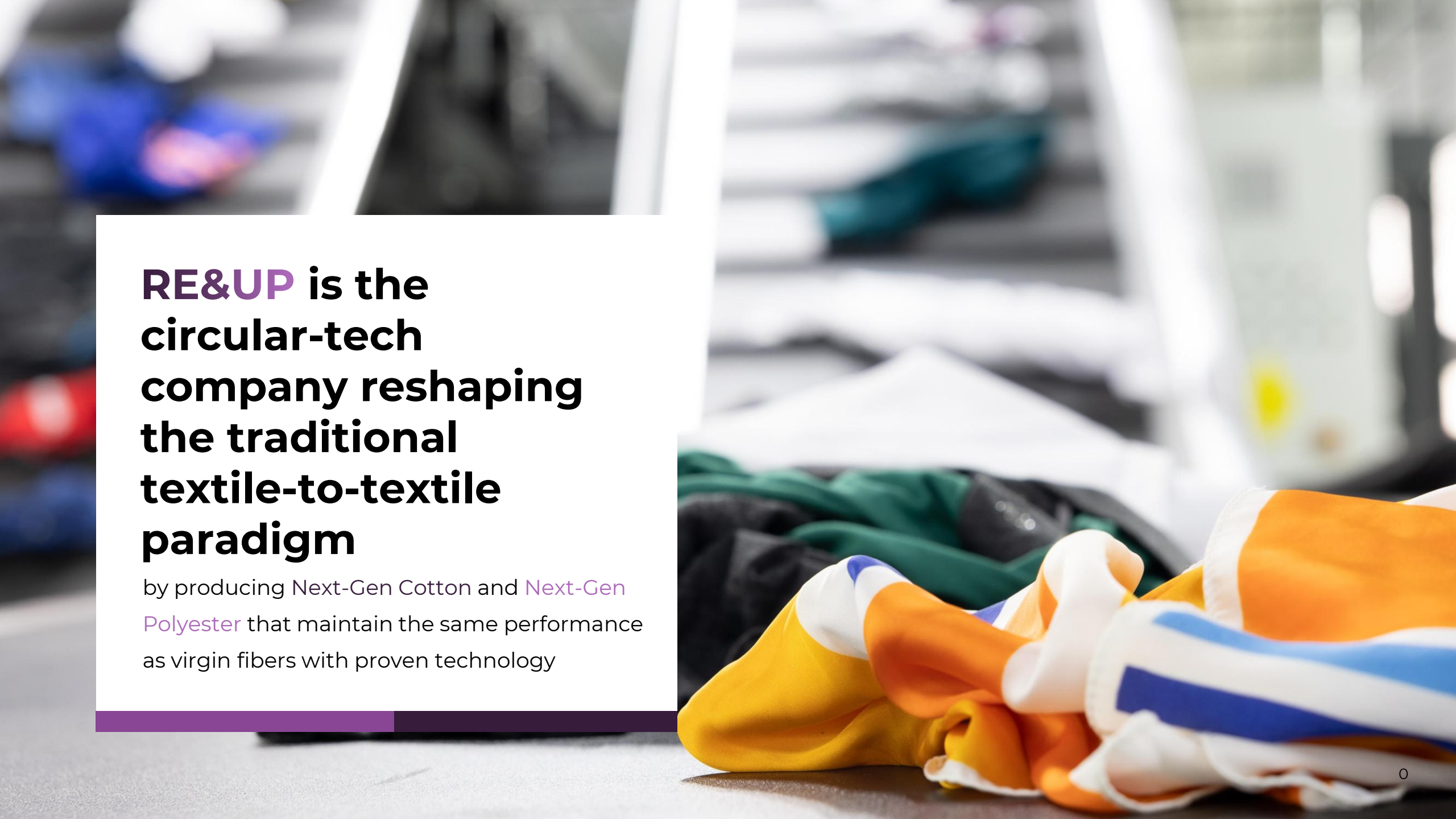


RE&UP is the circular-tech company reshaping the traditional textile-to-textile paradigm

by producing Next-Gen Cotton and Next-Gen Polyester that maintain the same performance as virgin fibers with proven technology

Today's Agenda

1. Introduction to RE&UP
2. Deep dive into RE&UP technology and process
3. RE&UP's position and impact in the renewable community

Introduction to RE&UP

RE&UP is a stand-alone entity within SANKO Holding

Sanko Holding Companies & Industries

Textile

SANKO TEXTILE

ISKO

SANKO Towel

RE&UP

- Energy
- Marketing
- Packaging
- Foreign Trade
- Cement
- Aviation
- Construction
- Venture Capital

RE&UP is SANKO's Next-Gen Renewable textile-to-textile recycling company

RE&UP draws on the **textile heritage of SANKO**, with **330+ patents** transferred from SANKO companies and exceptional expertise in **woven technologies** for fashion

Headquartered in the Netherlands, RE&UP initiated operations in Türkiye to address over **200 Kt annual recycling production capacity** by **2025**

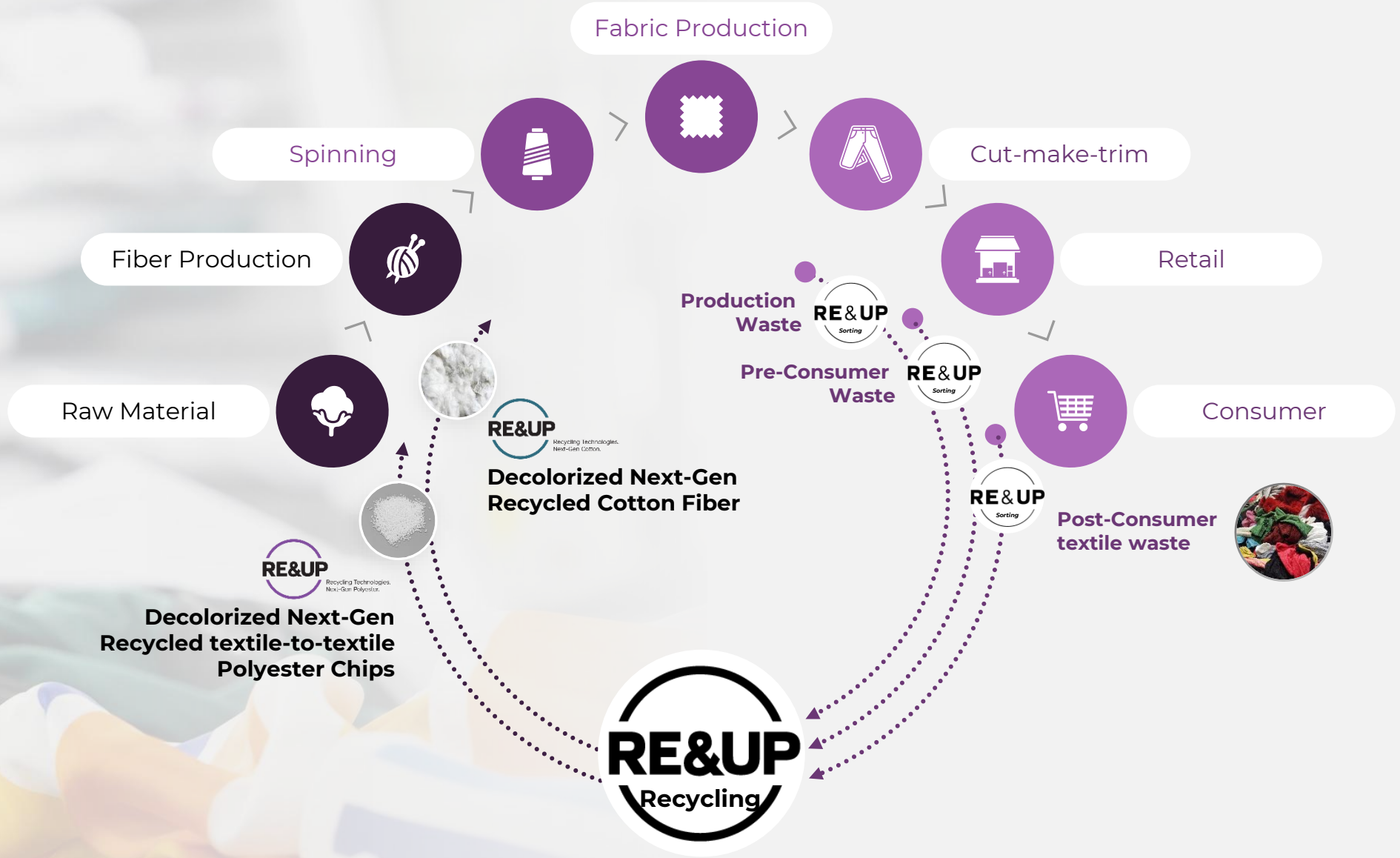
SANKO textile and ISKO is completely **separated financially** from **RE&UP** and is a customer along their competitor

RE&UP uses textile waste as feedstock...

... to produce decolorized recycled polyester and cotton

Details on next page

RE&UP provides a one-stop solution for the textile circularity with its unique and proven technology



RE&UP's process and plants in Türkiye covers sorting, decolorization and recycling

Feedstock

Feedstock across the globe arrives in RE&UP facilities

Sorting & Separation

Feedstock is separated by color and content resulting in cotton rich or polyester rich outputs

Decolorization

Both types of outputs are decolorized[1]

Recycling

Cotton rich output is recycled in Gaziantep

Polyester rich output is recycled in İnegöl

Final Outputs

Cotton Fiber

Polyester chips

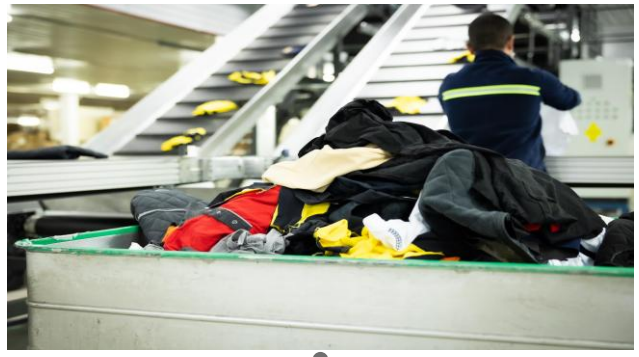
Polyester & Cotton Yarn[2]

1. All dyes can be removed except VAT dyes
2. Produced by our sister company Sanko Tekstil

Deep dive into RE&UP technology and process

Today, RE&UP's circular system is operating at scale in Turkey…

TEXTILE WASTE SOURCING AND AUTOMATED SORTING



We sort feedstock, including production pre- and post-consumer waste, from partners and our collection system

TEXTILE-TO-TEXTILE POLYESTER RECYCLING

We recycle polyester textile waste into Next-Gen recycled polyester chips ready for filament yarn manufacturing

TEXTILE-TO-TEXTILE COTTON RECYCLING

We recycle blended (poly-)cotton textile waste into decolorized, traceable Next-Gen recycled cotton fibers ready for spinning

...Thanks to RE&UP's advanced R&D capabilities

A large R&D installation with 3000-meter square total area, Founded 2009 and nominated as the first textile R&D center by the Ministry of Technology

3 major research areas...

- Physics
- Chemistry
- Electronics
- Biology

... covered by 7 state of the art laboratories

- Microbiology Lab.
- Instrumental Analysis Lab.
- Textile Test Lab.
- Chemical Test Lab.
- Chemical Synthesis Lab.
- Pyhsics and Electronics Lab.
- Pneumatic, mechanical, electronic, control and test lab.

Accompanied by a great team of engineers and collabs. with leading institutions

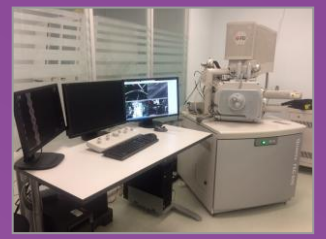
A multi-disciplinary team of 100+ researchers, engineers and scientists from physics, chemistry and biology to mechanical, textile, and electronics engineering

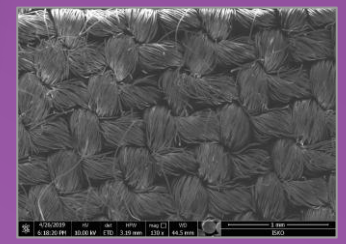
Horizon 2020 Programme

TÜBİTAK

2 H2020 an 7 Tübitak collaborations and patent grants from WIPO, EPO, USPTO, JP, CN and BR

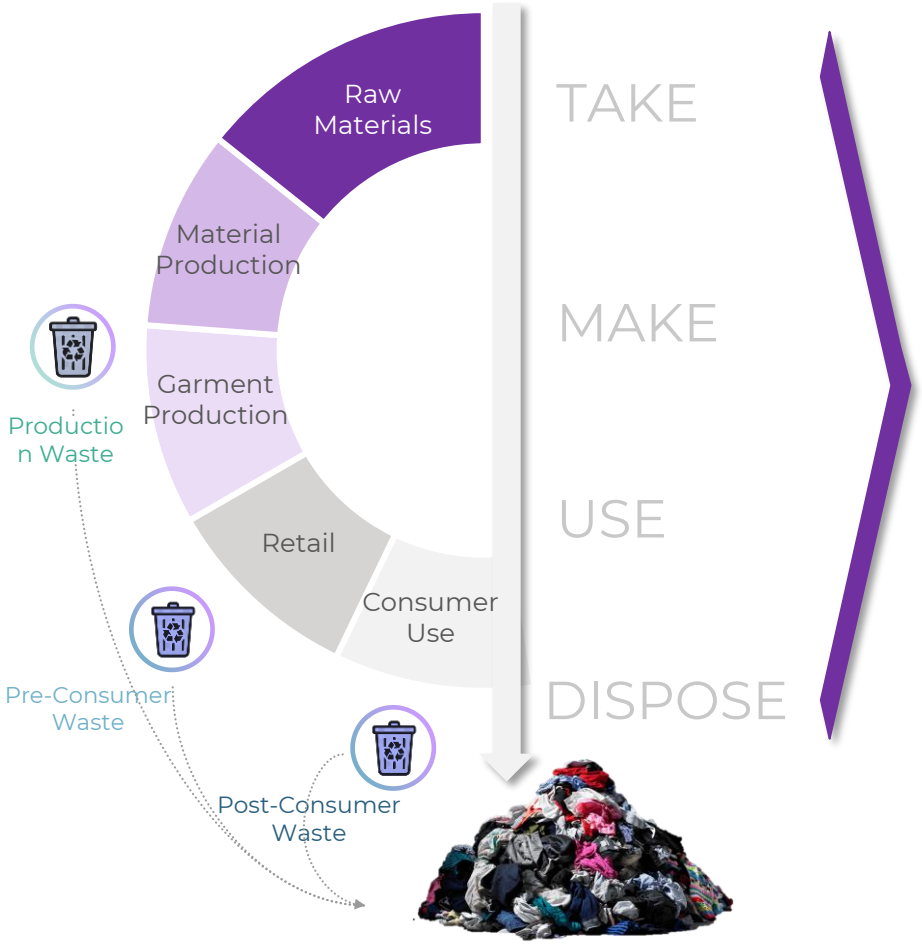
Trough the years our capabilities led to 72 inventions and 67 patents granted with 282 patents pending



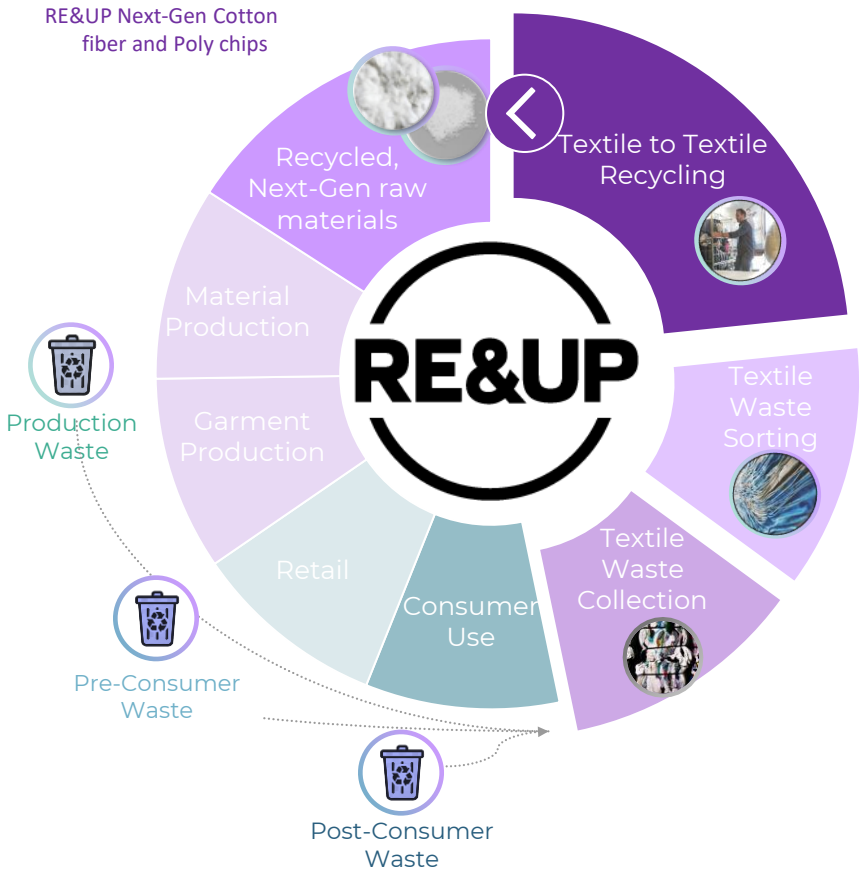


Fashion Industry will transform from linear textile value chain to a circular system with RE&UP's Next-Gen Fibers and Polyester Chips

FROM LINEAR TEXTILE VALUE CHAIN...



...TO A CIRCULAR SYSTEM WITH RE&UP'S NEXT-GEN FIBERS



RE&UP solving some of the key current challenges...

...virgin-equivalent, Next-Gen

Seamless transition to recycled fibers, maintaining repeated use quality

...scaled, proven technology

Existing solutions can't handle large volumes, despite >100 Mt of textile waste each year

...feedstock agnostic

Scaled solutions manage various textile waste, enabling large scale partnerships

...sustainable

Addressing recycled fibers demand driven by regulations and fewer raw materials

Cotton-heavy process example | RE&UP technology turns blended polycotton textile waste into recycled cotton fiber ready for spinning

Ideal composition
%70 cotton with %30 being polyester or elastane

Mechanical Recycling

RE&UP Technology
Separation & Decolorization

Next-Gen Material

1

COTTON HEAVY DENIM WASTE

POST-CONSUMER WASTE

CUTTING

AUTO TRIM REMOVAL

MECHANICAL RECYCLING

BLENDED FIBER

DECOLORIZATION & SEPARATION

DRYING

RE&UP NEXT-GEN RECYCLED COTTON FIBER

2

Any COTTON/POLYESTER blended fabric (Before RE&UP ® Process)

PURE-Decolorized 100% Cotton fabric (After RE&UP ® Process)

Pure RE&UP® Recycled COTTON fiber

Spun Yarns

Note: Main RE&UP process is process 1 with process 2 serving as an alternative for garments with no buttons, tags etc.

Polyester Heavy Process Example | RE&UP technology turns blended polyester heavy textile waste into recycled polyester chips for spinning

Ideal composition
%100 polyester or polyester-elasthane mix

RE&UP Technology
Separation & Decolorization

THERMOMECHANICAL RECYCLING

Next-Gen Material

1

POLYESTER HEAVY TEXTILE WASTE

POST-INDUSTRIAL

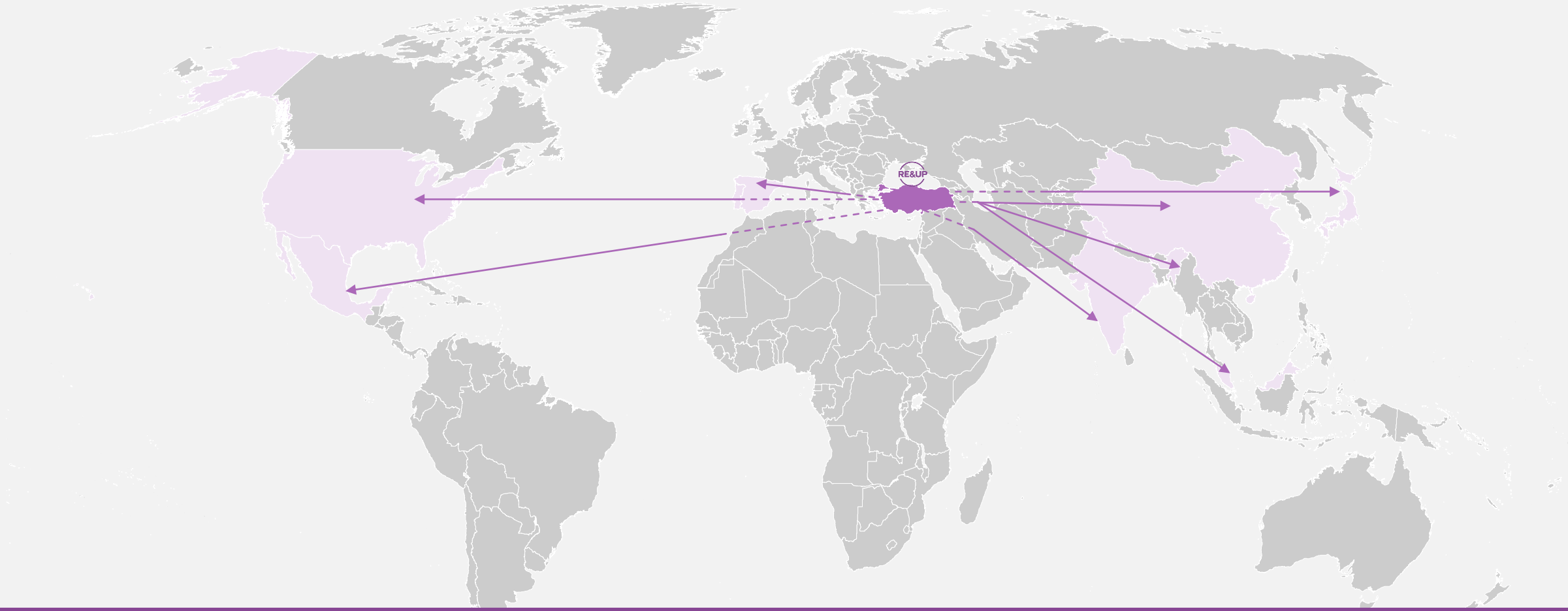
COLOR AND EA REMOVAL

THERMOMECHANICAL RECYCLING

CUTTING

Polyester Filament Yarn
Or
Polyester Staple Fibers

RE&UP already supplying cotton fiber / yarns and polyester chips / yarns to mills in different parts of the world



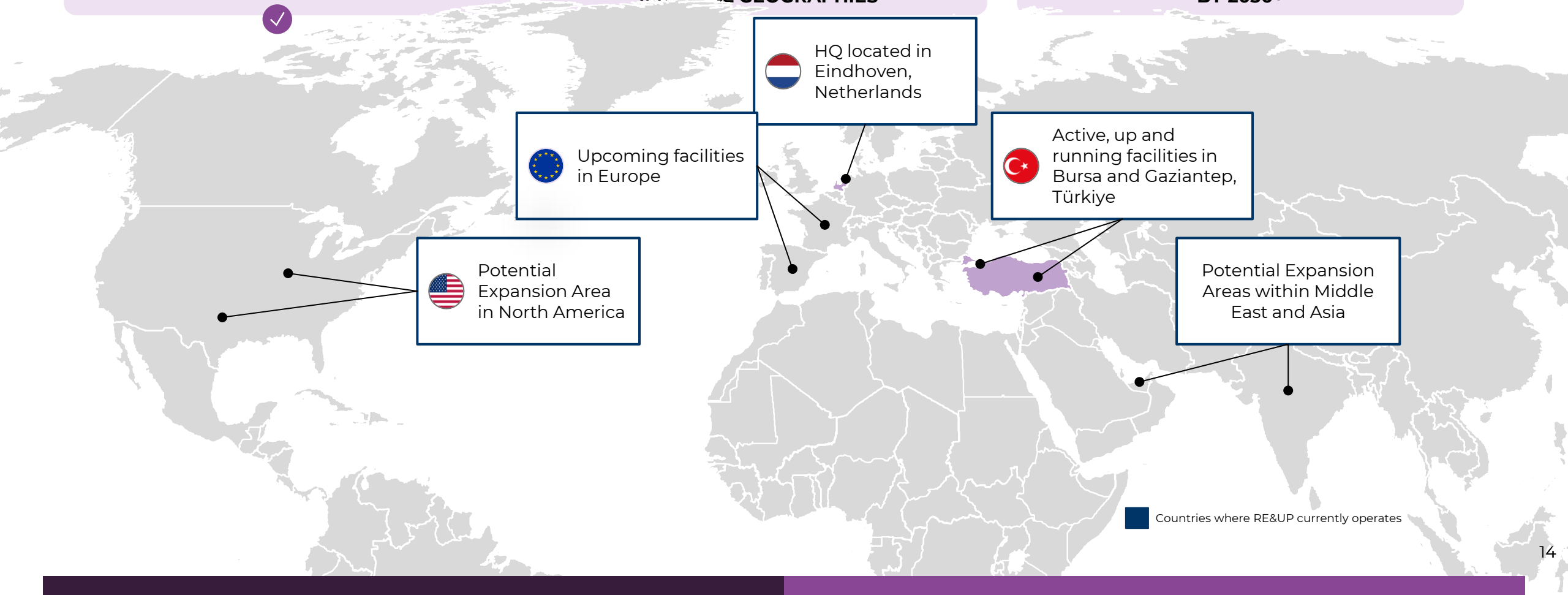
RE&UP Cotton Fiber / Yarn and Polyester Chips / Yarn is being used by several global brands in their recycled products collections

RE&UP is fully operational in Türkiye with two facilities and ambitious to become the largest T2T recycling company globally

>80KT/YEAR
2 OPERATIONAL FACILITY FOR 2024

>500KT/YEAR
RAMPED-UP CAPACITY FOR 2028 IN MULTIPLE GEOGRAPHIES

>1 MT/YEAR
TARGETED GLOBAL CAPACITY BY 2030+



RE&UP's Next-Gen Fibers: high-quality, ready-to-use, virgin-equivalent performance and prices

RE&UP NEXT-GEN POLYESTER CHIPS

Viscosity	Chips weight
0.66	2.3[1]
dl / g	*g / 100 pieces*
Moisture content	**Ash content**
<0.3	0.023
%	*%*
Powder dust	**End use**
0	*Continuous filament yarn spinning, staple fiber spinning*
mg / kg	

WHAT IS NEXT GEN?

- *Textile-to-textile recycled, decolorized, contamination free, ready to spin raw materials*

TRACEABILITY

- ***100% traceability** in all RE&UP products*
- *Available both **physically & digitally***

CERTIFICATIONS

- ***GRS & RCS, ISO** certificates*
- ***Bluesign** for all chemicals*
- ***FDA, EFSA Approval***

RE&UP NEXT-GEN COTTON FIBER

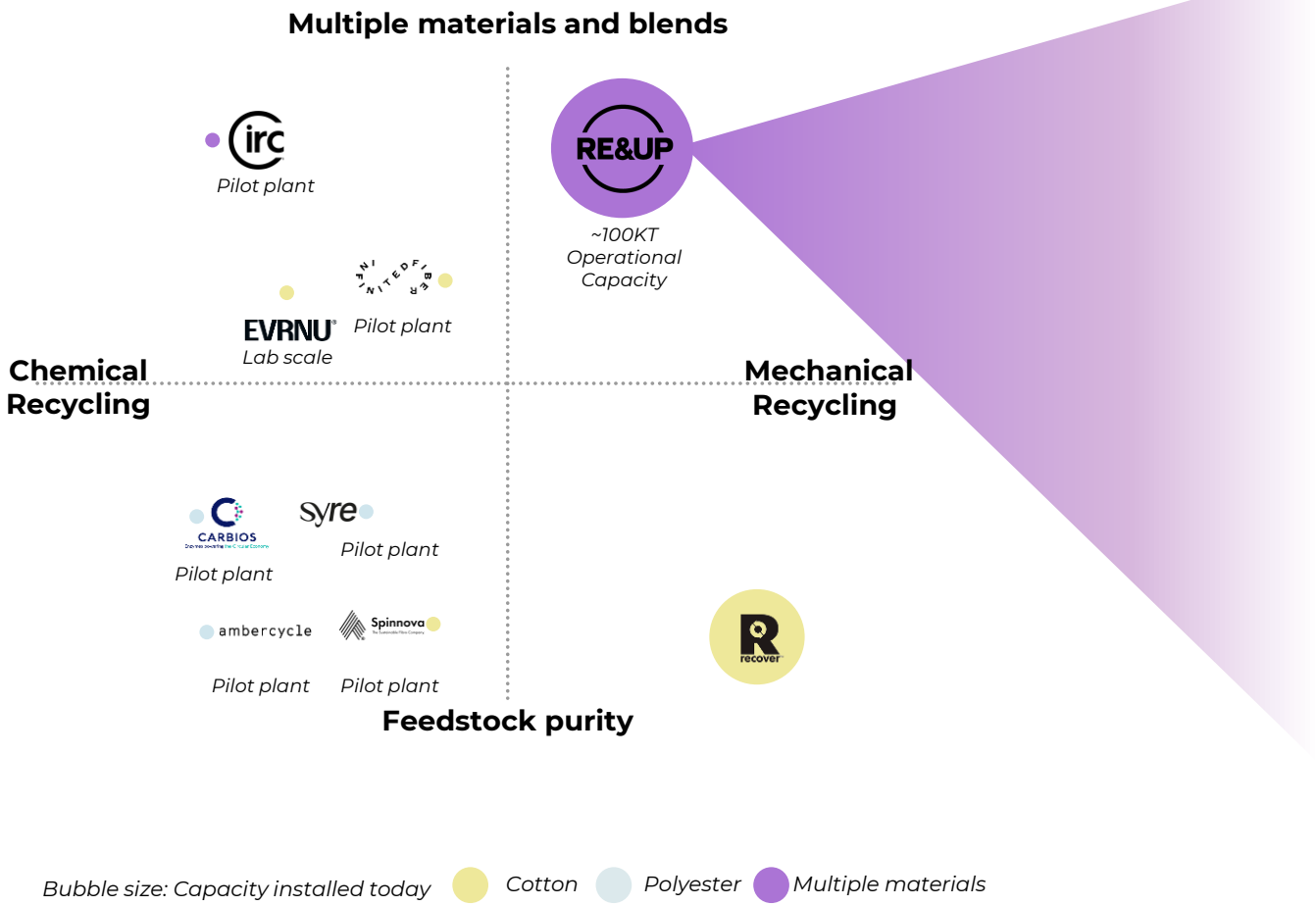
Fiber length	Dust content
20	<2
mm	*%*
Upper half length	**Fiber density**
26	143
mm	*m/tex*
Micronaire	**End use**
3.64	*OE, Ring, non-woven manufacturing*
-	

1. Ranges between 2.3 – 2.5 g / 100 pieces

Note: ISO Certificates include ISO 14001, 9001, 50001 27001

RE&UP's position and impact in the renewable community

RE&UP is unique in T2T recycling with its scaled capacity, feedstock agnostic & innovative technology and lower environmental impact



Bubble size: Capacity installed today — Cotton — Polyester — Multiple materials

WHAT SETS RE&UP APART?

Textile legacy

- Born out of 120 years of textile manufacturing legacy

Proven technology

- Established operational capacity with proof of technology

Feedstock Agnostic

- Ability to recycle blended / polycotton materials
- Excellence in post-consumer recycling

Decolorization capability

- Ability to recycle coloured materials

Preserved quality

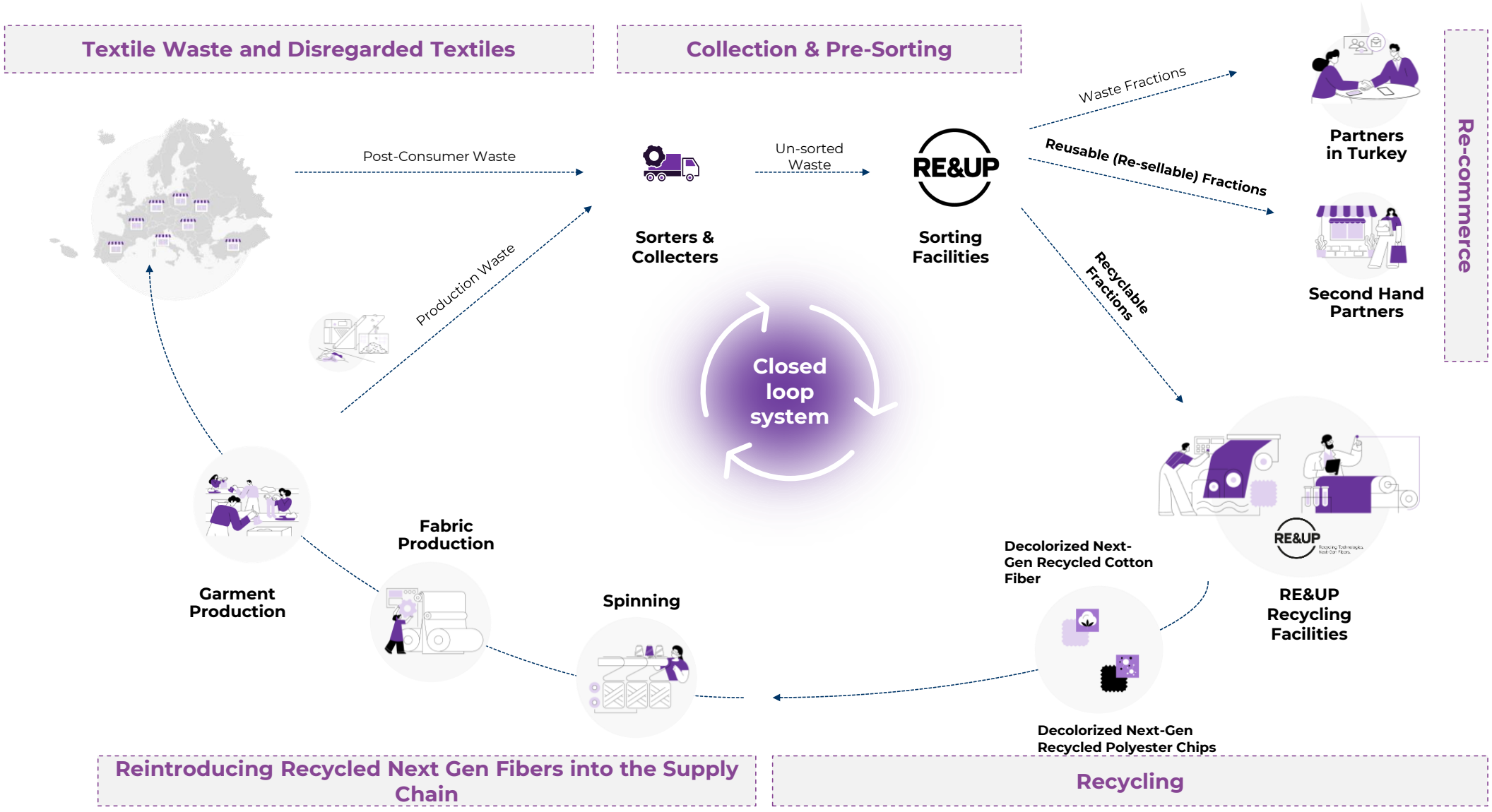
- Preserves the natural DNA of the material & produces

Already operational and scalable

- Proven and trusted output material working at scale (80kt already at scale)

1. Indicative figure for 2030, based on 10-12 plants plan; plan to have 3M T by next decade (public info), but are behind plan 2. 150 kt target capacity for 2027, 1Mt for 2033; Wood pulp and agricultural waste input 3. Enzymatic Recycling 4.SOP date TBD 5. Planned target of 250kt (unspecifiied target year)

RE&UP is the ultimate partner with one-stop solution, advanced tech and network in the value chain for your circularity goals



RE&UP has already emerged as a key player in sustainability & circularity ecosystem with its extensive coverage and presence

Solid footprint in the fashion and textile industry

- Invited to share its technology at the PUMA Group Sustainability Round Table EMEA'24
- Already supplying fibers to the supply chain of over 50 fashion brands through Sanko Textile

PUMA SANKO TEXTILE

Award winning sustainable ambitions and solid partnerships

ITMF International Textile Manufacturers Federation

RE&UP won ITMF Award 2024!

GFA

Global Fashion Agenda Partnership

JustStyle

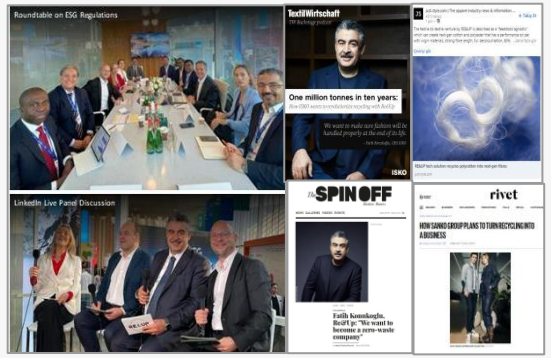
Just Style Sustainability Award to come

- Won ITMF award in 2024 Panel
- Competing for additional awards and certifications
- Strong partnerships with industry's premier institutions

Textile Exchange

Textile Exchange Membership

Strong presence in leading sustainability events and industry publications



- IFC Roundtable & Decarbonization Panel
- Participated in COP28 and registered for COP29 in Baku
- Attended Global Fashion Summit in Denmark, Climate Week in New York, and registered for Textile Exchange in the US
- Featured in leading publications of the textile, fashion, sustainability industries

COP28 UAE · Climate Week NYC · Climate Group · Textile Exchange · Global Fashion Summit · COP29 Baku Azerbaijan

RE&UP

Recycling Technologies.
Next-Gen Fibers.

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Connect with us to explore more about our recycled fiber solution

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