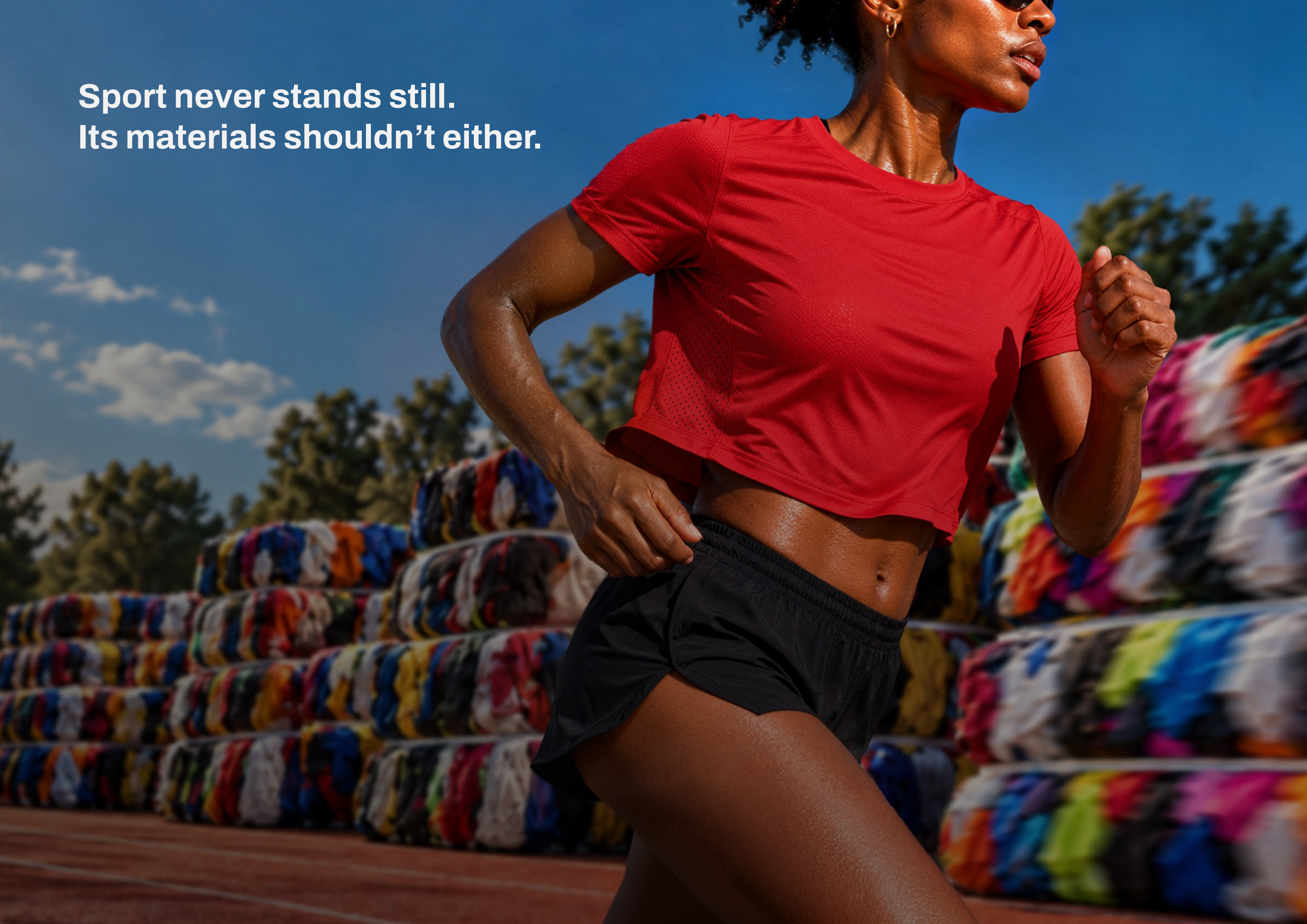
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Made of Sport

Made to keep sport moving


Sport never stands still.
Its materials shouldn’t either.

The problem

Behind every game, training session and season is a constant flow of sportswear and materials.

Sportswear is used intensively and replaced regularly. New seasons, changing sponsorship contracts, teamwear updates and changing collections can move products out of use while the materials still have value.

At the same time, new sportswear still relies heavily on newly produced materials. Once products reach the end of their useful life, those valuable resources too often leave the sports supply chain.

The challenge is bigger than a single shirt or material. It is about how products are designed, used, collected and brought back into the system.

To keep valuable materials in play, we need a clear route from end-of-life to a new beginning, connecting clubs, brands, collectors, recyclers and producers.

Because circularity, just like sport, is teamwork.









The answer

Made of Sport

Made of Sport is the circular ecosystem for sportswear and sports materials.

It connects the steps needed to bring used products and materials back into the game: collection, sorting, recycling, material development, production and new products.

Together with specialist partners across the value chain, we build scalable routes from end-of-life sports products to high-quality materials for the next generation of sport.

The ecosystem is designed to grow with new material streams, technologies and partners, creating one connected infrastructure for a more circular sports industry.



Collecting and Sorting

ClubHub

Circularity does not end when a product is no longer used. That is where the next cycle begins.

Through CIRCULR.'s growing collection network, post-consumer sportswear and sports materials are collected at scale across sports clubs, events and commercial sports locations.

In the Netherlands, CIRCULR. has developed ClubHub: a nationwide collection network located directly at sports clubs, where athletes come together and where large volumes of sportswear and sports materials enter and leave the game.

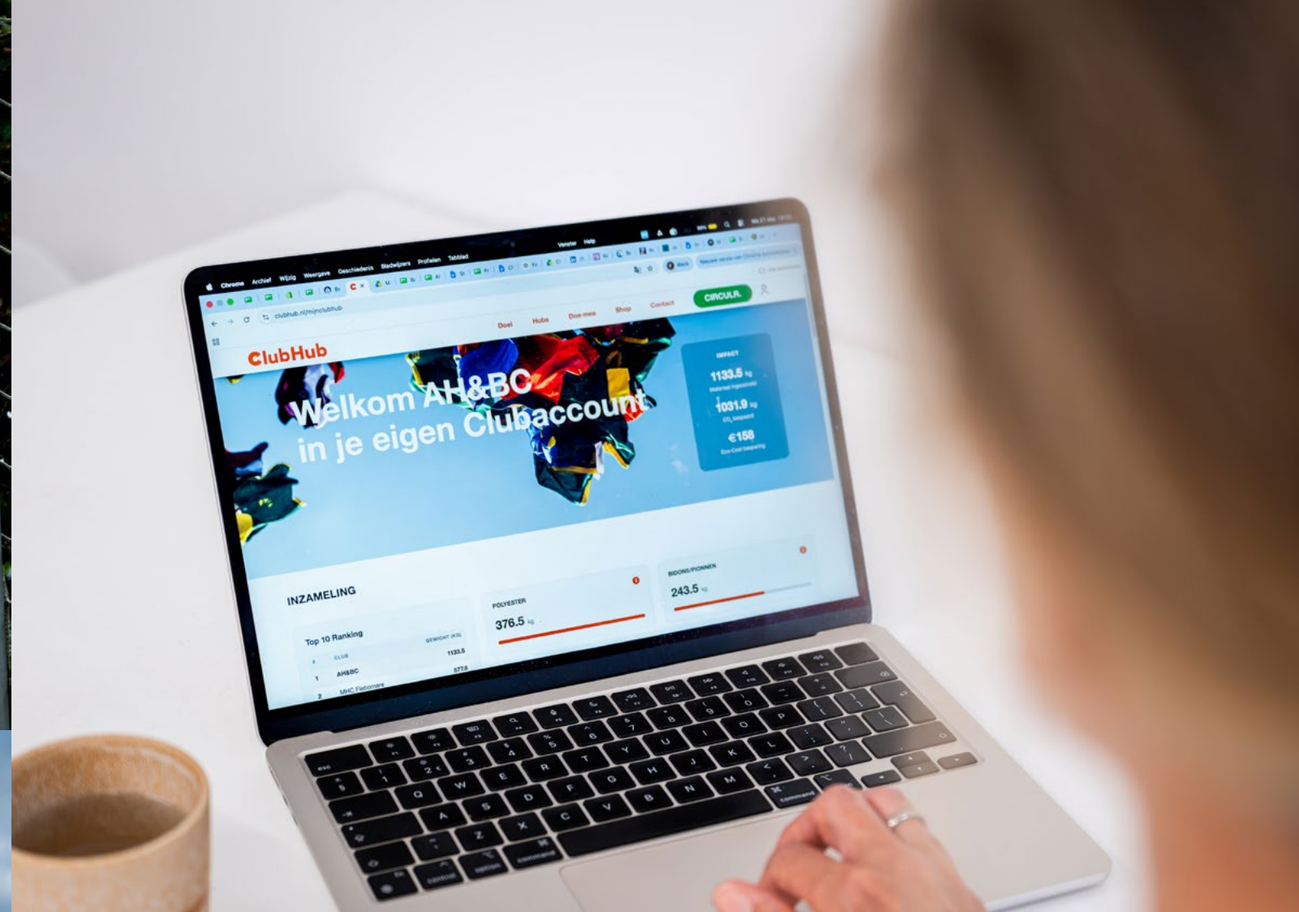
Collected products are sorted to determine the most suitable next route: reuse, recycling, upcycling or responsible processing.

By connecting large-scale collection and sorting to the wider Made of Sport ecosystem, post-consumer products become valuable input for new material streams and future products.






ClubHub
sportkleding


ClubHub
Welkom AH&BC
in je eigen Clubaccount
CIRCULR.
INZAMELING
Top 10 Ranking
POLYESTER
376.5
243.5


ClubHub
De club als circulaire hub
Gebruikte sportkleding en -materialen
voor hergebruik of als grondstof voor nieuwe.
www.clubhub.nl
Powered by CIRCULR.
Deze bus kreeg een tweede leven,
nu jouw sportkleding nog!
VJP-07-N


Jersey Crush

Recycling

There is no single recycling technology for every sports material.

Made of Sport works with specialised recycling partners to develop scalable routes for different material streams.

By combining collected sportswear and sports materials with compatible material streams, we create the scale needed for effective recycling. For example, polyester sportswear can be recycled alongside other polyester textiles and production waste.

Through different recycling technologies, materials are transformed into recycled raw materials ready for new production. Where applicable, mass balance systems can support the integration of recycled content into existing supply chains.

As new technologies, material streams and applications become available, they can be integrated into the Made of Sport ecosystem.

Together, we are building a broader infrastructure for circular sportswear and sports materials.





Recycling

Polyester textiles



Break down

Polyester is returned to its molecular building blocks.

Purify

Unwanted components are removed from the material stream.

Rebuild

The recovered material becomes feedstock for new polyester.

fibR-e WORNREBORN RECYCLED COLLECTION

Polyester recycling in collaboration with fibR-e

LCA

Life Cycle Assessment Results

Environmental Impact per 1 kg of Granulate fibR e results for 100% rTEX

System boundary: Cradle to granulate (excludes fiber spinning and downstream processing). Functional unit: 1 kg of polyester granulate.

	Climate Change	Fossil Resource Depletion	Land Use	Water Use
Virgin Polyester Fibre	5.2 KG CO_2 EQ	98.7 MJ	13 PI	1.01 m^3
Tex to Tex fibR-e	2.21 KG CO_2 EQ	17.3 MJ	1.91 PI	0.266 m^3
% Difference	-58%	-82%	-85%	-74%

Both Meltem Kimya and Kipaş Textiles hold ISO 14001 certification, the international standard for environmental management systems, requiring ongoing third party audit and continuous improvement of environmental performance.
LCA produced by Kipaş using SimaPro Craft 10.3.0.1

(EF 3.1 / ecoinvent 10.0.3.1).Not independently verified.
rPET comparator uses ecoinvent {RER} European average dataset.
Results can be used as a guide to sourcing decisions only. Not admissible for scope 3 reporting pending independent verification.



Fibres, Yarns and Fabrics

Recycled polyester

Made of Sport, co-founded by CIRCULR. and Kipaş Textile, connects collected polyester sportswear to the fibR-e molecular recycling system, developed by Kipaş Textile in collaboration with Meltem Kimya.

By combining collected sportswear with compatible pre-consumer and post-consumer polyester textile streams, we create the volumes needed for textile-to-textile recycling at industrial scale.

Through the Made of Sport ecosystem, recycled polyester raw materials are transformed into staple fibres, filament yarns and performance fabrics, supported by an integrated network of specialised production partners.

Brands can access a wide range of existing yarns and fabrics or develop customised solutions tailored to their performance, design and production requirements, all through the Made of Sport ecosystem.

YARN TYPE	DENIER	FILAMENT COUNT	COLOUR			LUSTER				INTERMINGLE			
			WHITE	BLACK	OTHER COLORS	FULL-DULL	SEMI-DULL	BRIGHT	SUPER BRIGHT	NIM	SIM	(S+Z) SIM	HIM
Polyester Drawn Textured Yarn (Polyester DTY)	50	48 ✓	✓	✓	✓		✓		✓		✓		✓
		72 ✓	✓	✓	✓		✓		✓		✓		✓
		96	✓	✓	✓		✓		✓		✓		✓
		144	✓	✓	✓		✓		✓		✓		✓
	75	48 ✓	✓	✓	✓		✓		✓		✓		✓
		72 ✓	✓	✓	✓		✓		✓		✓		✓
		96	✓	✓	✓		✓		✓		✓		✓
		144	✓	✓	✓		✓		✓		✓		✓
	100	48 ✓	✓	✓	✓		✓		✓		✓		✓
		96	✓	✓	✓		✓		✓		✓		✓
		144	✓	✓	✓		✓		✓		✓		✓
	150	48 ✓	✓	✓	✓		✓		✓		✓		✓
		96 ✓	✓	✓	✓		✓		✓		✓		✓
		144 ✓	✓	✓	✓		✓		✓		✓		✓
	300	48 ✓	✓	✓	✓		✓		✓		✓		✓
		96 ✓	✓	✓	✓		✓		✓		✓		✓
		144 ✓	✓	✓	✓		✓		✓		✓		✓
	600	48 ✓	✓	✓	✓		✓		✓		✓		✓
		96 ✓	✓	✓	✓		✓		✓		✓		✓
		144 ✓	✓	✓	✓		✓		✓		✓		✓

Brands and Apparel Manufacturers

Sports brands, apparel manufacturers and other textile companies can plug into Made of Sport at the point that fits their supply chain.

Access recycled yarns and fabrics through the ecosystem, develop products with your own manufacturing partners, or connect with specialist partners within the Made of Sport network.

The ecosystem is open to companies that want to integrate more circular materials and solutions into sportswear, teamwear, workwear and other relevant textile applications.

Made of Sport connects material sourcing with the tools and infrastructure needed to support a more circular product lifecycle.

Made of Sport labeling and Digital Product Passports adds recognition, transparency and product information, while collection solutions create a route for products and materials when they reach end-of-life.

This allows partners to connect not only to recycled materials, but to a wider ecosystem around design, production, use and return.









Back in the game

The loop continues when recycled materials find their way back into new products.

Through the Made of Sport ecosystem, recycled raw materials, yarns and fabrics can be used in new sportswear, teamwear and other textile applications.

The aim is to replace part of the demand for virgin materials with recycled alternatives and keep valuable resources in circulation for longer.

A circular product journey does not stop once a new product is made.

By connecting products to collection, sorting and recycling infrastructure, brands and manufacturers can also create a route for materials when those products reach end-of-life.

This is how separate steps become one connected system, from design and production to use, return and the next material cycle.




10
7

Where you enter the loop

You don’t have to build the entire circular chain yourself.

Made of Sport connects every step, from collection and sorting to recycling and the production of new performance fabrics, within one circular ecosystem.

Whether you are a brand, apparel manufacturer, sports club, retailer or other partner, you can enter the loop where it fits your role and expand your involvement over time.

Choose where you enter the loop.

Source recycled yarns

Access recycled yarns from textile recycling streams and integrate them into your existing supply chain.

Choose or develop a fabric

Select an existing fabric quality or develop one that fits your performance, design and production requirements.

Create a complete product

Develop new products with your own manufacturing partners or connect with production partners within the Made of Sport ecosystem.

Create a route back

Connect products and users to collection and sorting solutions, giving post-consumer sportswear and sports materials a route back into the Made of Sport ecosystem.











Made of Sport

Made to keep sport moving

Join the loop

Made of Sport
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www.madeofsport.com
info@circulr.eu