



Tim Cross

# PROJECT PLAN B



Partnering with Purpose: Driving Innovation, Collaboration, & Sustainability



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# PROJECT PLAN B

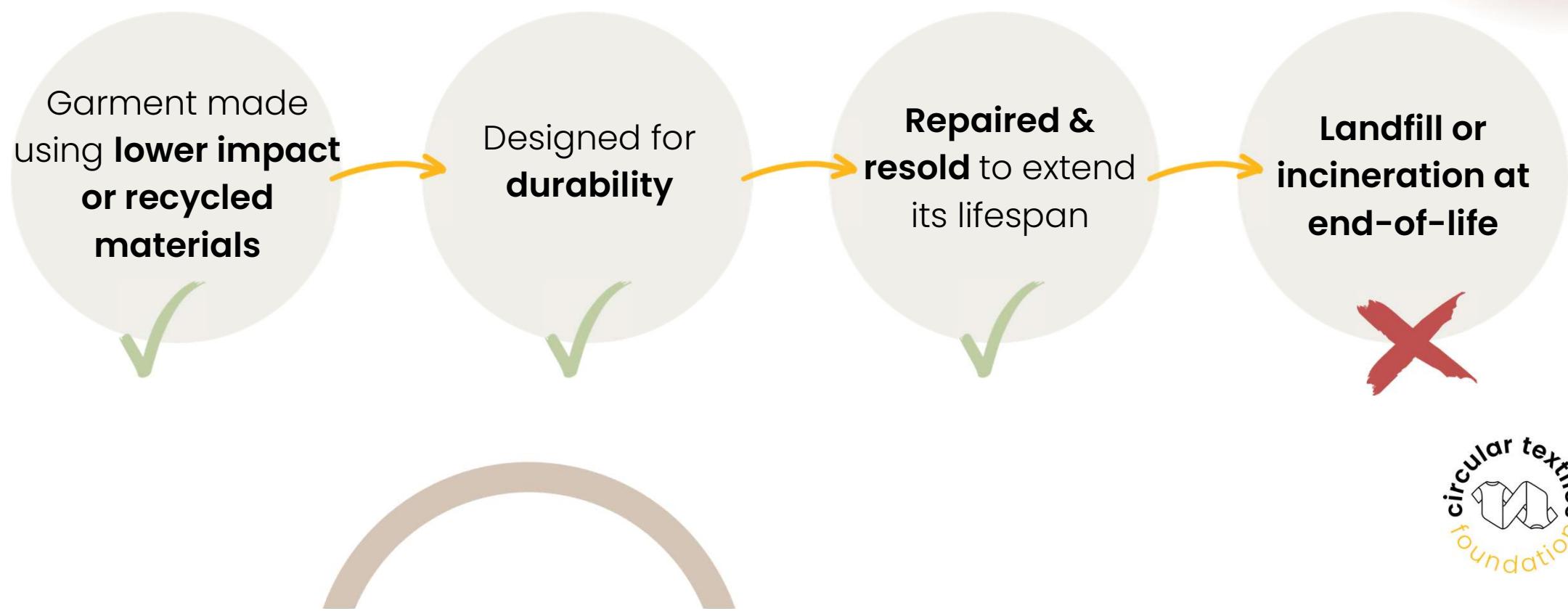
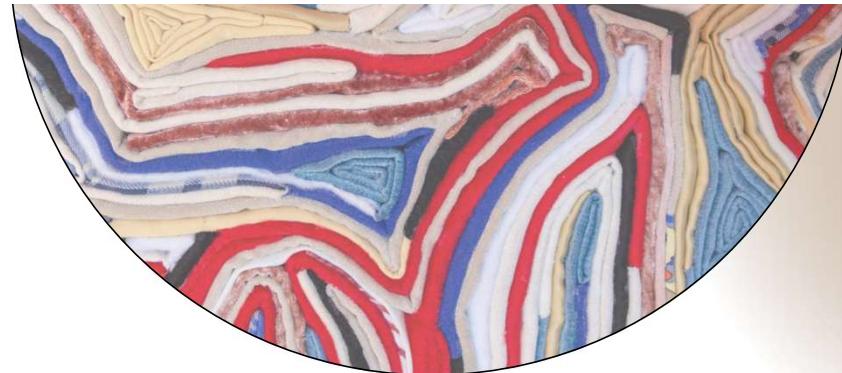


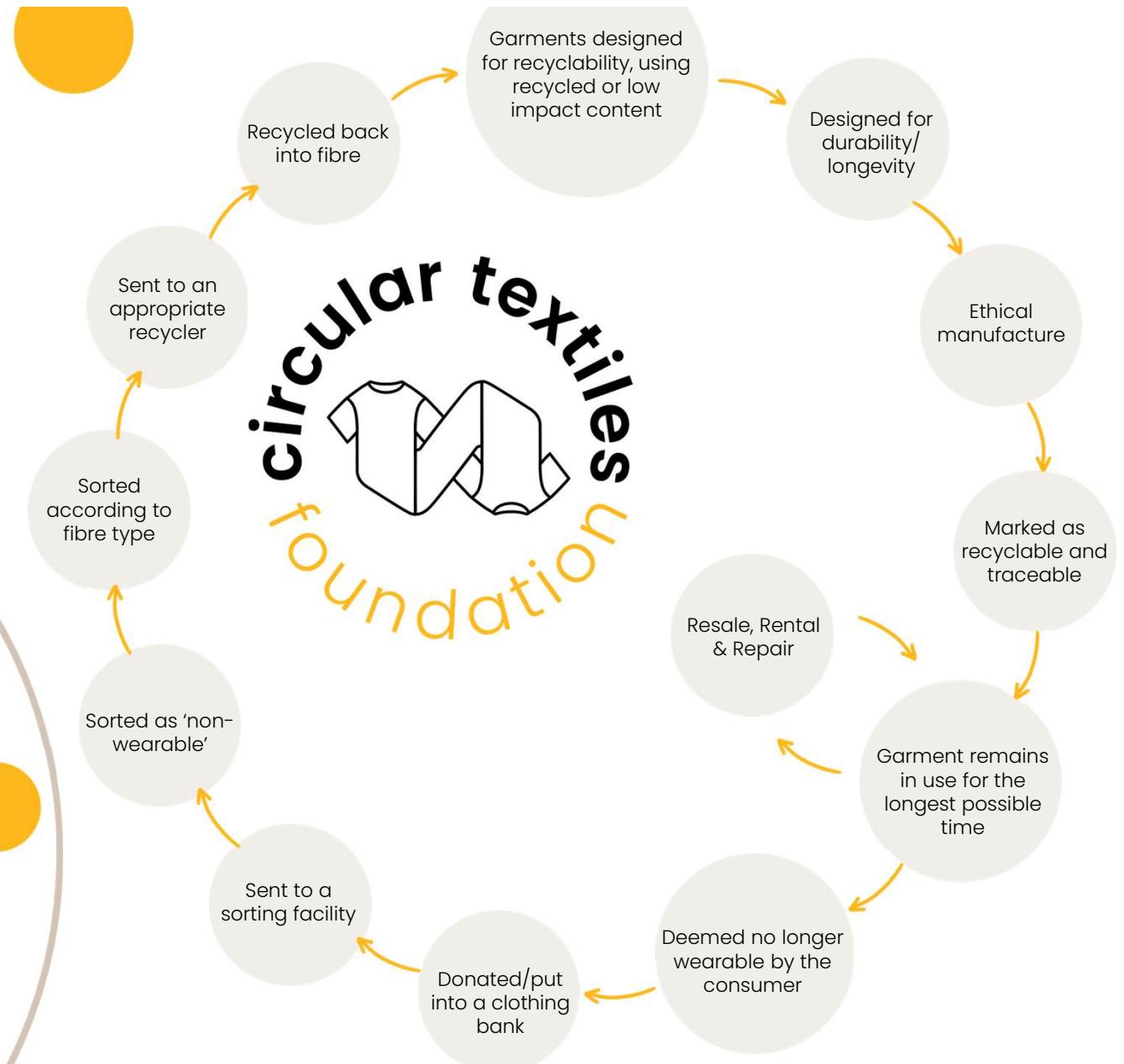
**Tim Cross**  
CEO and Founder



Designing for Recyclability







# EPR



## Extended Producer Responsibility:

- A variable tax on clothing that the brand pays – eco-modulated
- Funds generated used to enable a circular economy
- Active in France, Hungary, Netherlands and Latvia for textiles
- From **January 2025** – EU producers to cover the costs of collection, sorting and recycling
- UK EPR Sandbox Project – industry-backed White Paper

Source: European Commission, GOV.UK



# ESPR



## Ecodesign for Sustainable Products Regulation:



- Framework came into force July 18th 2024

Measures include:

- Minimum level requirements relating to durability, repairability and recyclability
- Digital Product Passports
- A ban on the destruction of unsold goods

Source 'EU Sustainability Legislations: What impact could it have on your business'

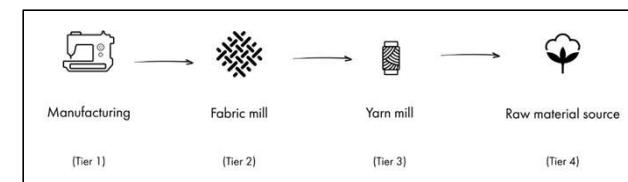
# DPP

## Digital Product Passports:

- Scan a product and receive information
  - Accurate bill of materials essential
  - Costs for acquiring and processing data, however savings on audit and compliance



nobody's child



Source 'EU Sustainability Legislations: What impact could it have on your business'

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# Bill of Materials (BOM)

To include description/reference & composition of all individual components within a garment:

- Base fabric
- Secondary/Tertiary fabrics
- Trims
- Construction thread
- Labels
- Prints
- Finishes

BOM (Bill of Materials) - Example/Template									
<b>BRAND</b>	CTF	<b>SEASON / DROP</b>	\$S25			<b>CAD:</b>			
<b>CATEGORY</b>	JERSEY	<b>SUPPLIER</b>	SUPERTEX						
<b>NAME/DESCRIPTION</b>	SHORT SLV TSHIRT	<b>TOTAL GARMENT WEIGHT (AVG)</b>							
<b>STYLE NUMBERS:</b>	CTF24001JS								
<b>TECH PACK DATE</b>	28/06/2024								
<b>SAMPLE REQUIRED</b>	30/08/2024								
FABRICS									
ITEM DESCRIPTION	REFERENCE/SOURCING COMMENTS	COMPOSITION	PLACEMENT	COLOUR / PRINT REFERENCE	WEIGHT (G)				
MAIN BODY FABRIC	ART:012CTN - SINGLEJERSEY	100% COTTON	FR&BK BODY & SLEEVES	001JS: PANTONE: 19-0303TPX	380				
TRIMS									
ITEM DESCRIPTION	REFERENCE/SOURCING COMMENTS	COMPOSITION	PLACEMENT	COLOUR	WEIGHT (G)				
1X1 RIB	ART:023RIB - 1X1 RIB JERSEY	98% COTTON, 2% ELASTANE	NECKBAND	DTM MAIN	25				
STITCHING & THREAD									
ITEM DESCRIPTION	REFERENCE/SOURCING COMMENTS	COMPOSITION	PLACEMENT	COLOUR	WEIGHT (G)				
MAIN INTERNAL CONSTRUCTION THREAD	4 THREAD OVERLOCK COATS ECOVERDE	100% POLYESTER	BODYCONSTRUCTIONTHREAD	WHITE	5				
EMBROIDERED LOGO	CTF ARTWORK SS24001	100% POLYESTER	LHSAWCHEST - SEE DESIGN SHEET	YELLOW	2				
PRINT QUALITY									
DESCRIPTION / TECHNIQUE	PLACEMENT	QUALITY / COMPOSITION	<b>FABRIC FINISHINGS</b>						
SCREEN PRINT LOGO	CENTRE BACK	WATER BASED INK - SEE FULL ARTWORK IN DESIGN PACK FOR DETAIL YELLOW: PANTONE 13-1231TPX							
LABELLING									
ITEM DESCRIPTION	REFERENCE/SOURCING COMMENTS	COMPOSITION	PLACEMENT/USE	QUANTITY	WEIGHT(G)				
CTF Branded duveline label	AS DEVELOPED- See Label guide	100% COTTON	CB NECK	1	2				
Care Labelling		100% RPET	LHSAW INTERNAL SEAM	1	2				
CTF branded side tab		100% COTTON	LHSAW EXTERNAL SEAM	1	2				

Include the weight of each component

# What is the CTF Certification mark

We are the only UK organisation to offer verification and certification in garment recyclability.



The Circular Textiles Foundation **Infinitee certification mark** proves to customers that a product is designed to be recycled.



It has now been reviewed and granted by the UKIPO, as the **UK certification trade mark for recyclable clothing**.



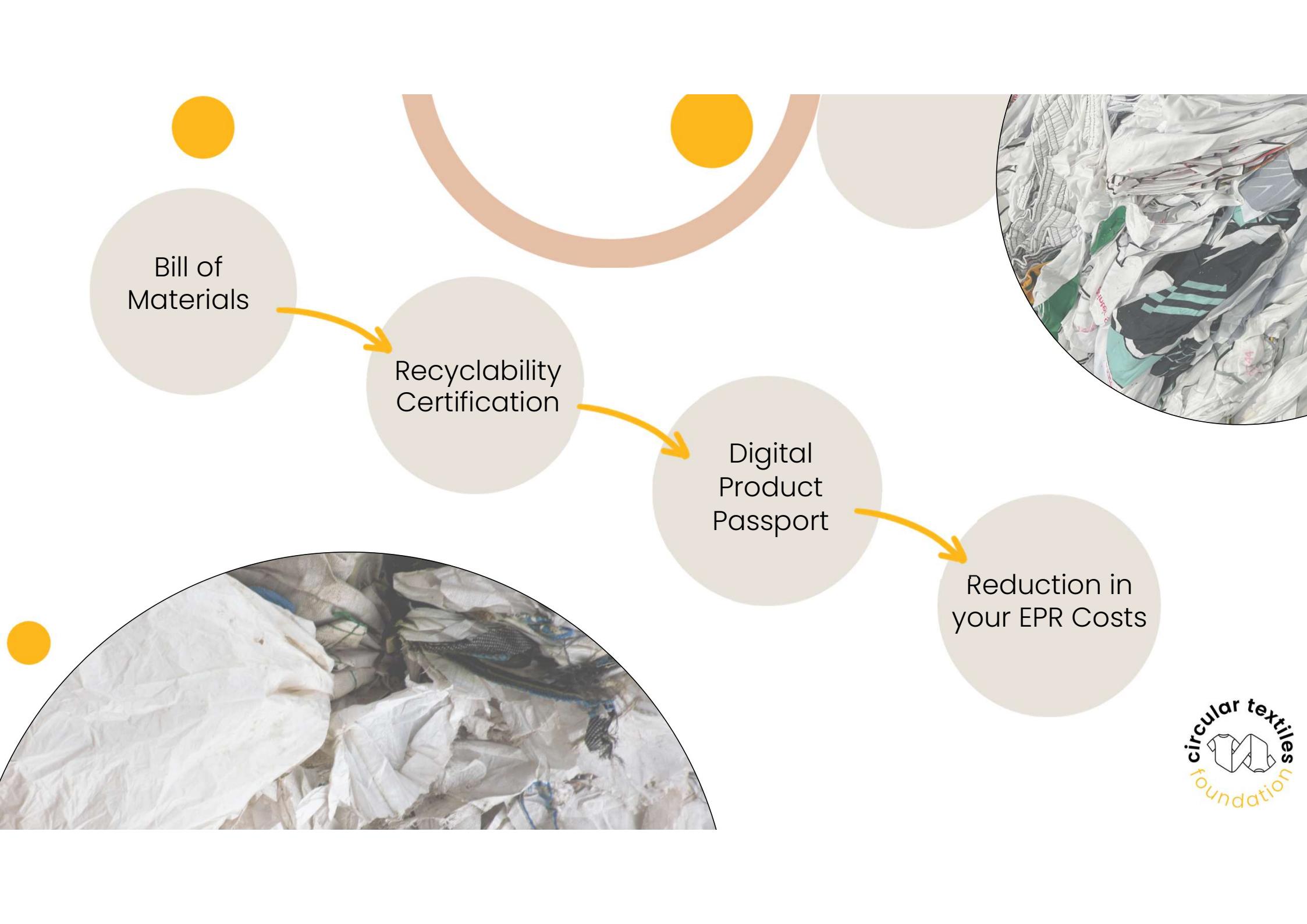
Alongside the certification mark, our **QR code** system enables the product to be scanned, informing customers what they should do with the item at the end of its useable life.



# Why do we need Certification?

- CMA guidelines
- Third party verification
- Recycler decision making process
- DPP/EPR







“

The EU Commission's 2030 vision for Textiles states :

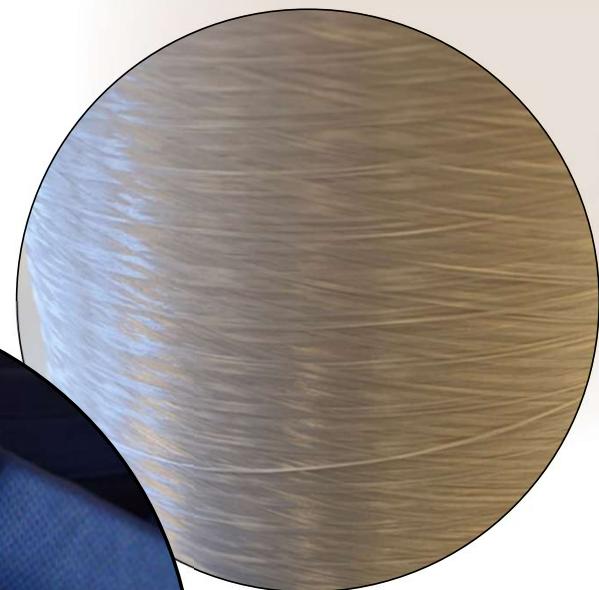
All textile products placed on the EU market should be:

- Durable, repairable and recyclable
- To a great extent made of recycled fibres
  - Free of hazardous substances
- Produced respecting social rights

”

EU Strategy for Sustainable and Circular Textiles





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The Journey

# What fibres can we recycle today?



Polyester  
Composition:  
100% polyester



Wool  
Composition:  
Minimum 95% wool

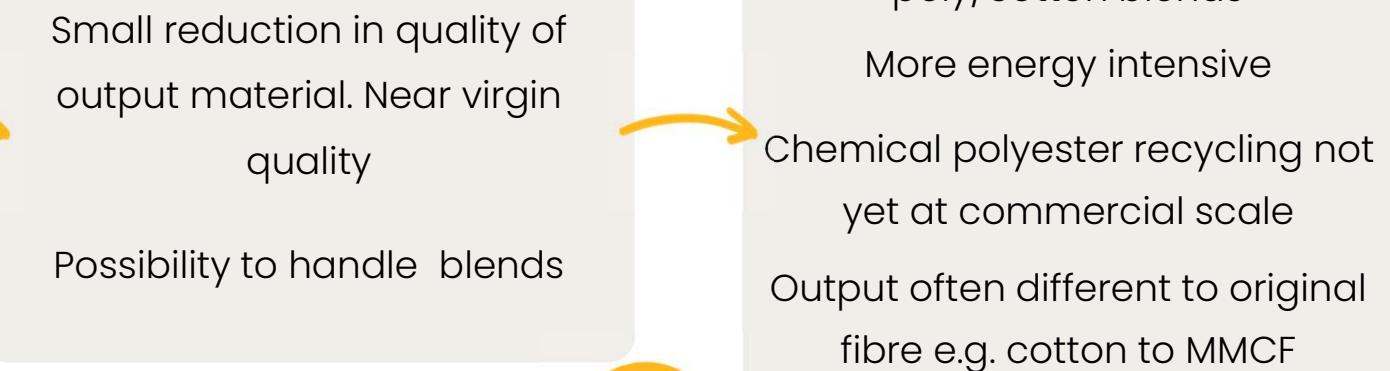


Cotton  
Composition:  
Minimum 95% cotton

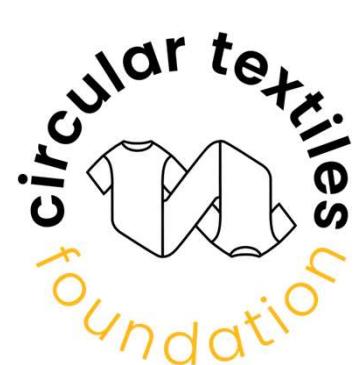
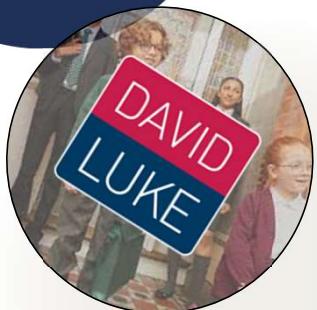
## Mechanical Recycling



## Chemical Recycling



## Recycler Summary



## A future where clothing and textiles are designed for recyclability as standard practice.

**Connect:** We advocate and support recyclers, bridging the gap between brands, suppliers, universities and textile recycling technologies.

**Train:** We provide workshops and training programme's that enable businesses to understand the why and how of designing for recyclability.

**Certify:** We are the only UK organisation to offer verification and certification in garment recyclability.





Incinerating 400 tonnes of polyester clothing = carbon cost of 404 tonnes of CO<sub>2</sub>e (equivalent to 1.2 million garments)



Recycling 400 tonnes of polyester clothing = carbon saving of 2240 tonnes CO<sub>2</sub>e



Cost saving of recycling rather than incineration = £156,000



Cost saving per garment = 13p

EPR cost = up to 10p per garment

# Carbon Calculation

# Thank you!

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[Tim.cross@planbis.co.uk](mailto:Tim.cross@planbis.co.uk)



THE CTF AT PRIMARK

Nightwear  
Circular  
Design  
Training

# R&D Discussion and Q&A



# Thank you

Scan the code to follow us on LinkedIn

