USEDFULLY

TEXTILE CIRCULARITY + DECARBONISATION

Fast tracking decarbonisation through textile resources

Decarbonisation

Textiles & clothing with their outsized carbon impacts are both a priority and an opportunity to decarbonise operations.

Circularity

Loop textile resources into local solutions that make a difference, creating economic & social opportunity onshore in Aotearoa.

Measurement

Track material flows, calculate environmental and financial impacts and report on progress through the Usedfully platform.

Waste Reduction

Divert textile resources from waste and reduce emissions by connecting to onshore end-of-use pathways. Creating a framework for other waste streams.

Market Expectation

Meet market and stakeholder expectation of responsible resource use, transparent reporting & emissions reduction.

Lead the Way

Lead the change we all need to see. Ensuring long term sustainability and profitablity through optimal resource management.

THE PROBLEM

Blowing the Carbon Budget

The clothing and textile industry is one of the largest and most impactful industries in the world currently contributing about 10% of global emissions (about 1.2 billion tonnes of CO2e per year). By 2050 it is forecasted to consume more than 26% of the carbon budget associated with a 2°C pathway.

Outsized Impacts

Textiles outsized impact relative to weight make them and ideal focus for carbon reduction activities. Scotland's Carbon Metric found that while textiles made up just 6% of Scottish household waste by weight, they account for 34% of net carbon impacts.

Lack of Regulation

The impacts of textiles have not been well understood, leading to a lack of prioritisation and policy attention. NZ's waste policy lags well behind other countries. In Europe the understanding of the impacts of textiles has matured to the regulatory phase with a ban on textiles to landfill by 2025.

Resource Loss

Textile waste squanders valuable resources that emit greenhouse gases in landfills. Failure to comprehend the resource reuse opportunities presented by textiles at the end of their first 'life' is the critical impediment to reducing environmental impacts.

WHY TEXTILES?

1. Mandatory Climate-Related Disclosure for publicly listed companies comes into effect in 2023. Government has set a target for the public sector to be carbon neutral by 2025. Textiles present a greenfield opportunity to reach organisational and national emissions targets.

2. To maximise the climate change benefits of waste and resource management, focus should be placed on carbon intensive waste materials such as textiles. Practical and scalable onshore solutions offer tangible and measurable outcomes that make a difference.

3. Every organisation needs to halve its emissions by 2030. Addressing climate change through textile resources drives measurable change, demonstrating leadership that others can trust to effectively address today's climate challenges.

DID YOU REALISE?

TEXTILES ARE RAW RESOURCES THAT WE CAN DO A LOT WITH
MADE FROM 3 RESOURCE CATEGORIES THAT CAN BE USED ACROSS INDUSTRIES

Protein
Wool Silk Cashmere

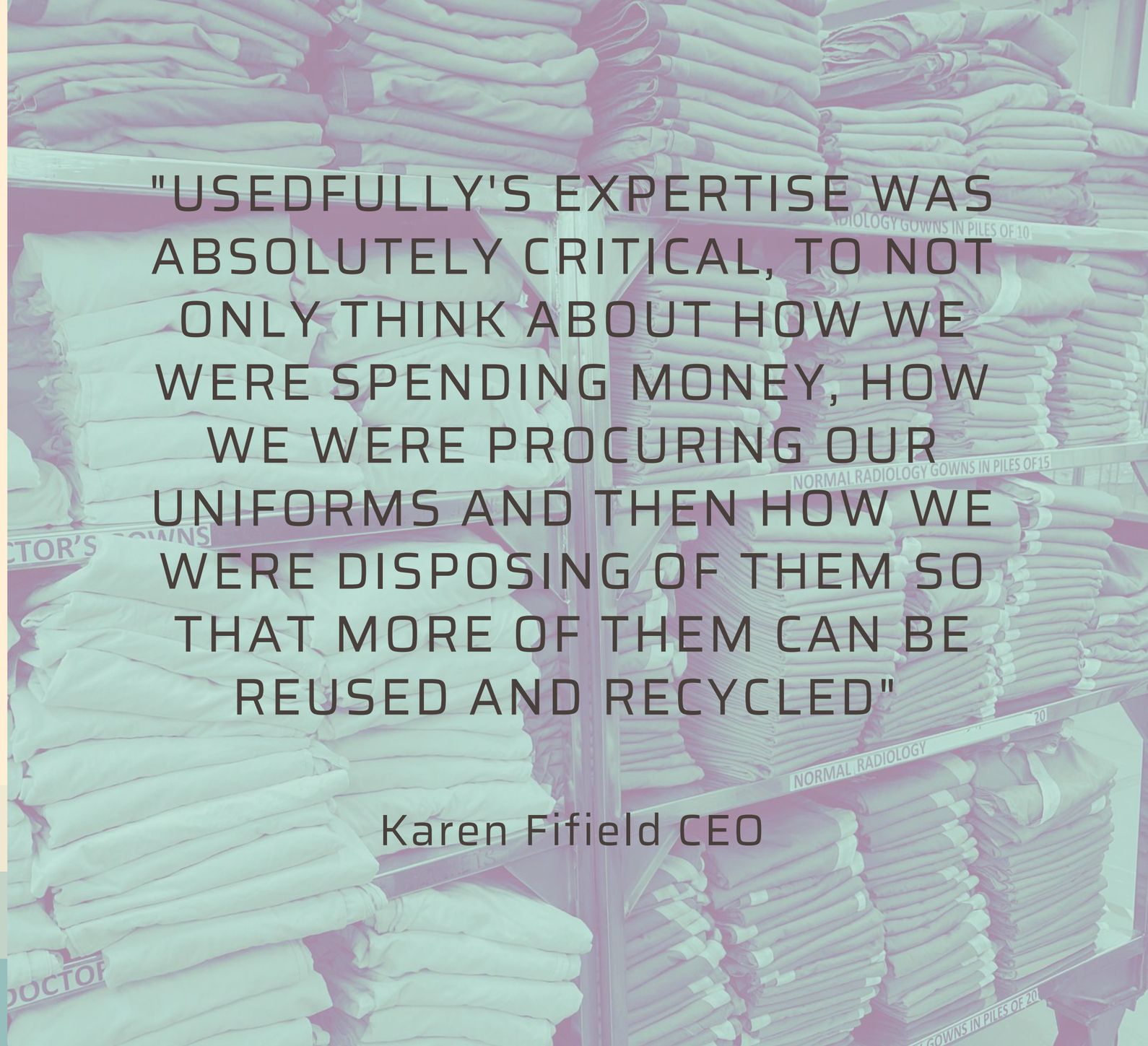
Cellulose
Cotton Linen Hemp

Chemical
Polyester Nylon Acrylic

The primary textile types in the NZ market are cotton, polycotton and polyester
Usedfully has focused it's research and solutions on these dominant textile types

USED TO USEFUL

Words from Wellington Zoo



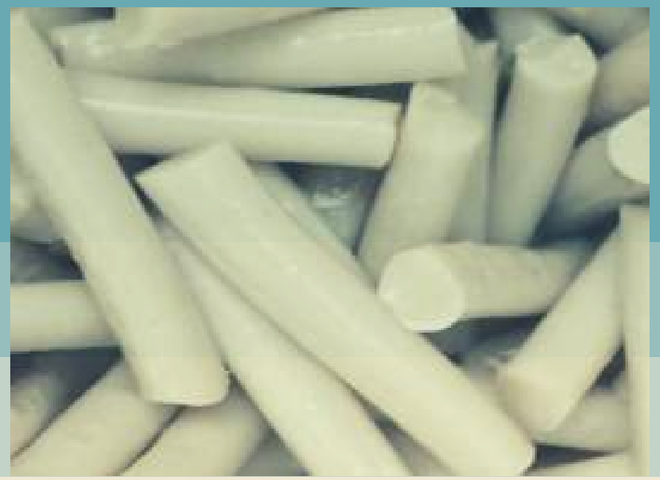
"USEDFULLY'S EXPERTISE WAS ABSOLUTELY CRITICAL, TO NOT ONLY THINK ABOUT HOW WE WERE SPENDING MONEY, HOW WE WERE PROCURING OUR UNIFORMS AND THEN HOW WE WERE DISPOSING OF THEM SO THAT MORE OF THEM CAN BE REUSED AND RECYCLED"

Karen Fifield CEO

USEDFULLY GOES BEYOND IMPACT CALCULATIONS AND EMISSIONS STRATEGY

Connecting organisations to real world solutions that take action on climate change

USEDFULLY CIRCULAR SOLUTIONS



1. Usedfully's collaboration with Scion, WSP NZ, Waka Kotahi & the Ministry for the Environment converted textile fibres into cellulose product for roading. By replacing imported cellulose with fibres from discarded sheets, towels and clothing, we reduce the amount of textile waste going to landfill, reduce carbon emissions and produce a product that is fit for purpose on New Zealand roads.

2. Unwanted polyester textile fibres converted in rPET are useable in a vast array of applications. A replacement for imported virgin PET for injection molding, 3D printing, packaging and so, so much more.

3. Textiles are key when it comes to making our interiors comfortable. From room dividers, sound dampening and insulation to fibre board for construction. 2nd generation textiles fibres have a ready market in building and interiors.

LET US HELP YOU

TEXTILE SPECIALISTS FOR A LOW CARBON WORLD

Get a Baseline

Establish a baseline of current textile consumption (by fibre type, volume, weight) and associated environmental impacts

Measure Impacts

Measure current diversion and waste at end-of-use through existing pathways for reuse (including volumes landfilled).

Identify End-Of-Use Pathways

Actions that can be taken to establish pragmatic diversion pathways. Looping textile resources into their next best local life.

Report Progress

Report baselines, observations, sustainable procurement and end-of-use recommendations, next steps and on-going processes. Track, measure and support progress.

Journey to net zero

TEXTILE SPECIALISTS FOR A LOW CARBON WORLD

WHY USEDFULLY

The Usedfully team are specialists in textiles, carbon accounting, sustainability, fashion and systems change. We have been leading the low carbon transition in the clothing and textile sector since 2008, through both local and global projects. Providing advice and solution led expertise to industry and government.

Usedfully goes beyond impact calculation and decarbonisation strategies, providing real world solutions so you can take immediate action on climate change, reduce emissions and meet stakeholder expectations.

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