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SPADEWORKS

# **NET ZERO MISSION**

SCOPE 1, SCOPE 2 AND SCOPE 3

2022-2024

# OVERVIEW

## **1- FABRIC**

Recycled with GRS, Organic, Livaeco, Ecovero®, Hemp, Nettle, Bamboo, Eucalyptus

## **2- TRIMS AND ACCESSORIES**

Recycled - labels, thread, buttons, zippers

## **3- MANUFACTURING**

Green factory - LEED certified , solar and wind powered



## **4-WASHING, DYEING, PRINTING**

Low water consumption, Natural dyes

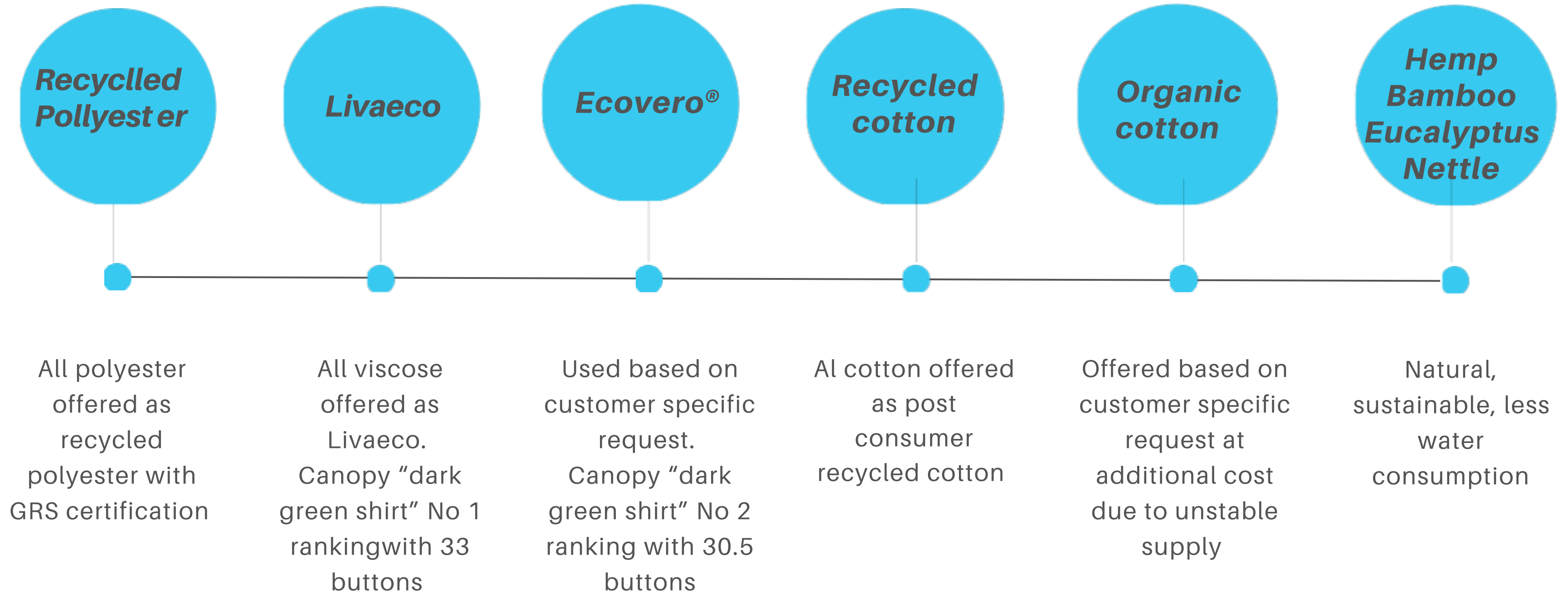
## **5-TRACEABILITY**

Blockchain powered traceability platform

## **6-NET ZERO FOR SCOPE 1, SCOPE 2 AND SCOPE 3**

Goal for year 2024

# FABRIC



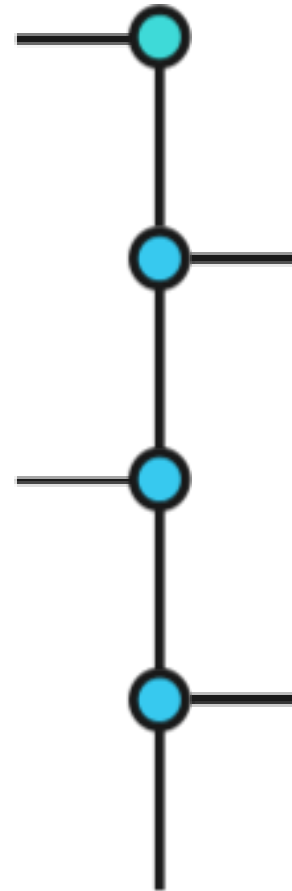
# TRIMS AND ACCESSORIES

## ***THREAD***

All thread offered as recycled polyester thread

## ***ZIPPER***

Polyester coil zips with 100% post consumer recycled PET  
Sliders with electroless plating  
Carbon footprint reduction- 60%



## ***LABELS***

Made from post consumer recycled PET with GRS certification.  
Carbon footprint reduction -70%

## ***TAPES AND ELASTICS***

Made from post consumer recycled PET with GRS certification.  
Carbon footprint reduction -40%

# TRIMS AND ACCESSORIES

## ***BUTTONS***

Made from Ocean nets ( ghost nets) -Nylon and HDPE

## ***METAL TRIMS***

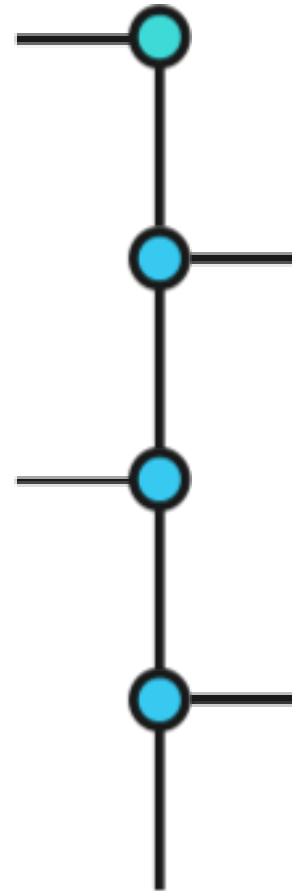
Buttons, rivets, eyelets - Electro plating replaced by eco-plating. 30% less water, 70% less electricity. Eliminating harmful chemicals ( Cobalt, Chromium, Cadmium, Celenium, Cyanide Copper)

## ***TAGS***

Made with FSC certified paper.Made with post consumer waste and factory waste ( garments ). Reduction in carbon footprint 15-18%

## ***POLYBAGS***

Plant based polymers that can biodegrade in 180 days. Corn based compostible. Water soluble. Recycled PET. Carbon footprint reduction -35-40%



# MANUFACTURING

## **STAGE -2- 2022**

Addition of LEED certified factories to supply chain already underway. ( 0.28kg less CO2 per garment).

## **STAGE-4- LATE 2023**

Conversion of all knit factories to Green factories.

## **STAGE -6- LATE 2024**

Net Zero for Scope 1, Scope 2 and Scope 3 ( manufacturing stage at garment level ).

## **STAGE-1- 2022**

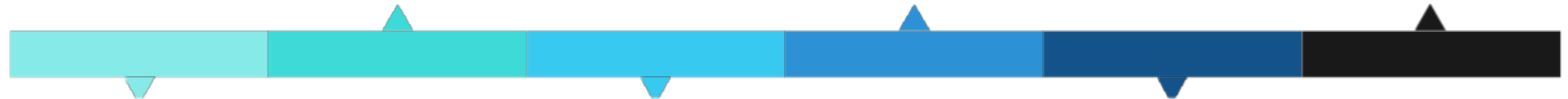
Conversion of existing factories to Green ( Solar powered)factories - Initiation stage.

## **STAGE 3- Early 2023**

Conversion of all existing woven factories to Green factories.

## **STAGE-5- EARLY 2024**

100% Green/LEED certified factories in supply chain.



# WASHING, DYEING, PRINTING

## **WASHING**

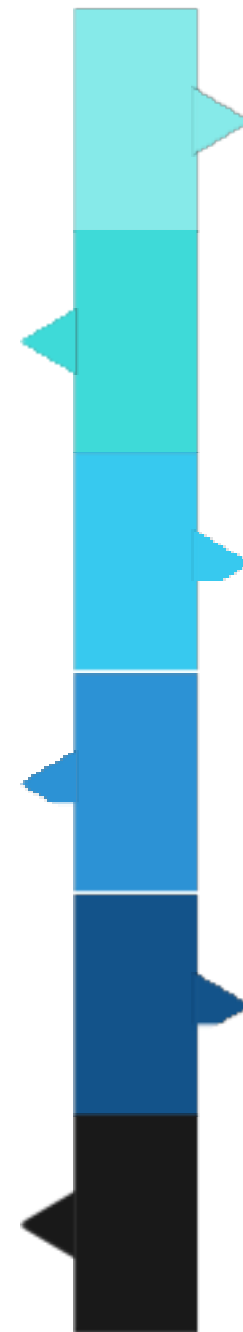
Low water consumption process

Eco friendly softeners

Natural pigments

Only natural garment dyes

Effluent treatment



## **DYEING**

Natural dyes

2022 onwards - Fabric dyeing only at vertical plants with green certification

## **PRINTING**

MOU and Collaboration with leading Textile university for research on print dyes from industrial waste

Early 2022- First batch of dyes from the research ready for commercial use

# TRACEABILITY

**THE COMPLETE CHAIN THROUGH BLOCKCHAIN**

