

PROJECT KIND

BY GRANDTEx

BACKGROUND

“26 MILLION POUNDS OF TEXTILES & CLOTHES
ENDING UP IN LANDFILLS.”

- HUFFPOST -

...because sustainability drives from the kindness and heart of human of industrial for better world

-GRANDTEX

WASTE



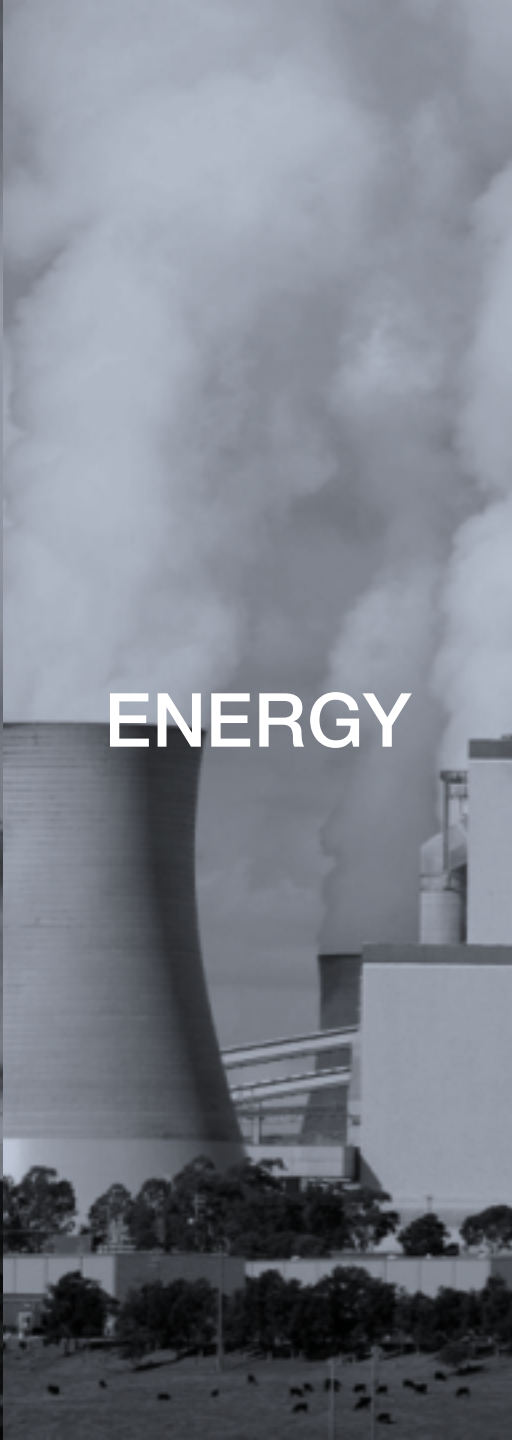
CHEMICAL



**WASTE
WATER**



EMISSION



ENERGY



**SOLID
WASTE**



RAW MATERIAL

BETTER COTTON INITIATIVE

We are BCI cotton ready
now. And We care about
sustainability in cotton
producing supply chain





U.S. COTTON
TRUST PROTOCOL

SUSTAINABILITY

**U.S. COTTON TRUST
PROTOCOL**

We are using Cotton USA and their program also support sustainability. Either way we care for the supply ecosystem.

REPREVE®

REPREVE FIBER

Our fabric collection has used reprevé for its substitution for polyester. It covers 100% of our collection.



INDIGO SOLUTION BASED

Grandtex only use solution indigo for our dyeing process.



40% - 50%



10% - 20%



40%



100%

**No Spill / Leaking
No Plastic Packaging
Dustless**

INDIGO DYEING

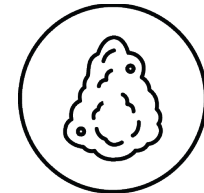
BLACK DENIM DYEING

ORGANIC COMPOUND SULPHUR

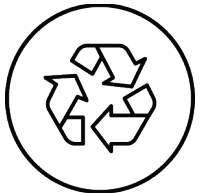
Grandtex Black denim is using Sulphur that has *organic compound* from Asahi Japan, which has known to be more eco-friendly than native chemical.



30%



20%



100%

Zero Smell

PRE - PROCESS COTTON WASTE

REUSE COTTON WASTE

As integrated denim mill, waste coming from cotton is inevitable. We only use pre-process cotton waste, like leftover yarns, leftover dyed yarns.



25%

Equiv. to 25 ton

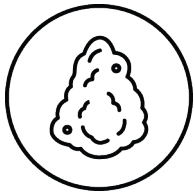


PRODUCTION

ROTA SPRAYER

**THE FIRST AND ONLY
DENIM MILL IN INDONESIA**

We are the only fabric mill that
use rota sprayer technology
for dyeing and finishing
purposes.



30%



20%



LASER PRINTING

**ZERO CHEMICAL AND
WATER WASTE**

Our new investment in technology to bring you new perspective in pattern design on your favorite denim.



0%



0%

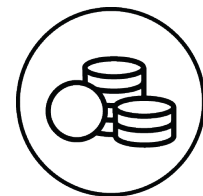


WASTE

WASTE WATER TREATMENT

BIO ACTIVATED SLUDGE

In order to sustain in waste water, we process it with biologically. It is more eco-friendly compared to chemical based since the chemical in waste water will be reduced further.



50%

INDUSTRY 4.0

One of Industry 4.0 part is digitalizing and automation in production. Our waste water treatment plant is the first facility to follow Industry 4.0 and has been digitalized to track and ensure sustainability in water and waste.



DEWATERING & SLUDGE DRYER

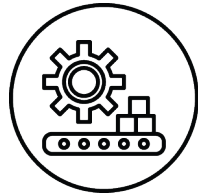
After product of waste water will be sludge, we have find solution for sludge waste management with dewatering and drying process to increase efficiency and better handling for environment.



70%



60%



50%

After Processed Product
Dry & No Smell

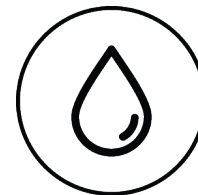




RAIN WATER

RAIN WATER HARVESTING

By collecting water rain only, we have save 30% of our water usage.



30%

*Equal to 7,000,000 litres

The image features two diagonal panels of a forest canopy, showing a dense layer of green leaves and tree trunks. A large, stylized 'V' shape is formed by the negative space between these two panels, pointing downwards. The text 'NEW SUSTAINABLE GOAL' is written in a bold, green, sans-serif font across the bottom of the image.

NEW SUSTAINABLE GOAL

ZERO WASTE CAMPAIGN

Project started from 2018

The challenge in textile industry is we have a lot of waste to be considered. With new technology and innovation, we believe it is possible to do so.





ALTERNATIVE FUEL FROM SLUDGE

Project est. finish in 2021

After dewatering and drying sludge, we can compress it into briquette as alternative fuel.



20%



WATER UTILIZATION

Project est. finished in 2022

Waste water from production will be reprocessed through intensive filtering and netralzing to be used again for household sanitary purpose.



30%

BIOGAS FROM ORGANIC WASTE

Project est. finished in 2025

Organic waste in the area of factory will be collected and decompost for biogas purpose.



40%



grandtex | denim