

This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.



Weaving Textile Waste Towards Circularity



JAMIE

Circularity Manager in ANTHILL



ANTHILL

*Alternative Nest and Training/ Trading Hub for
Indigenous / Ingenious Little Livelihood seekers*

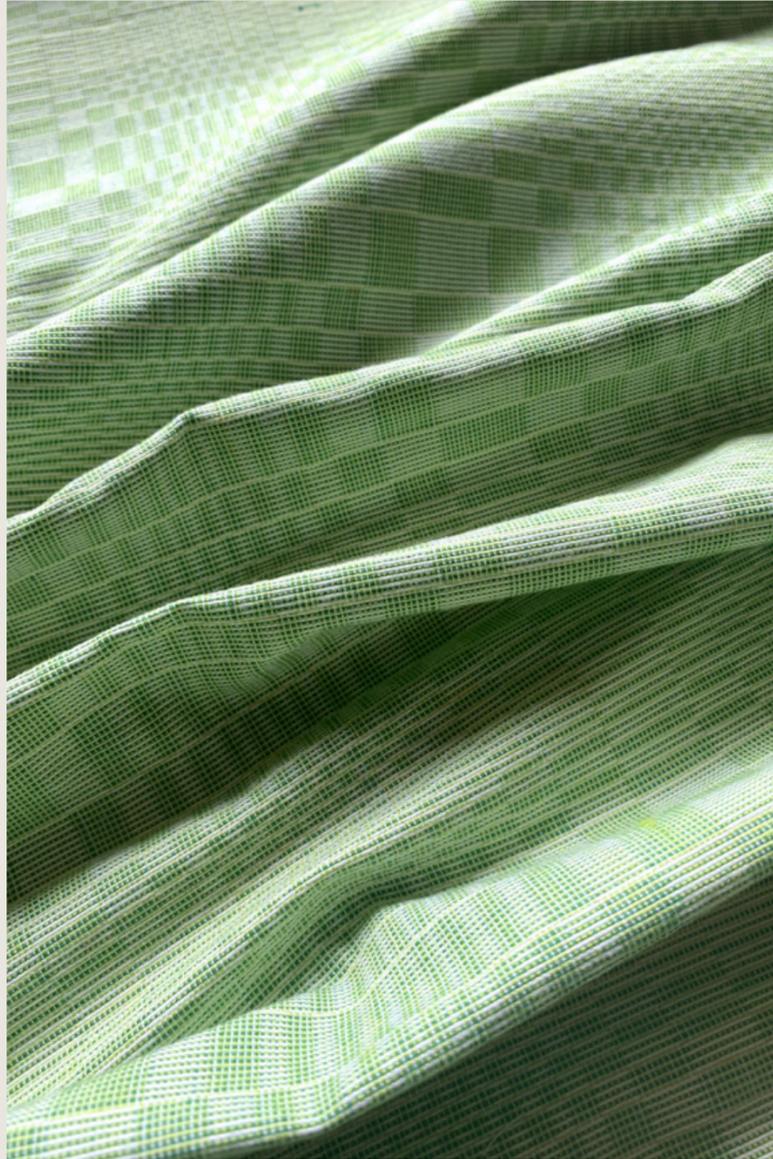




We are **ANTHILL**

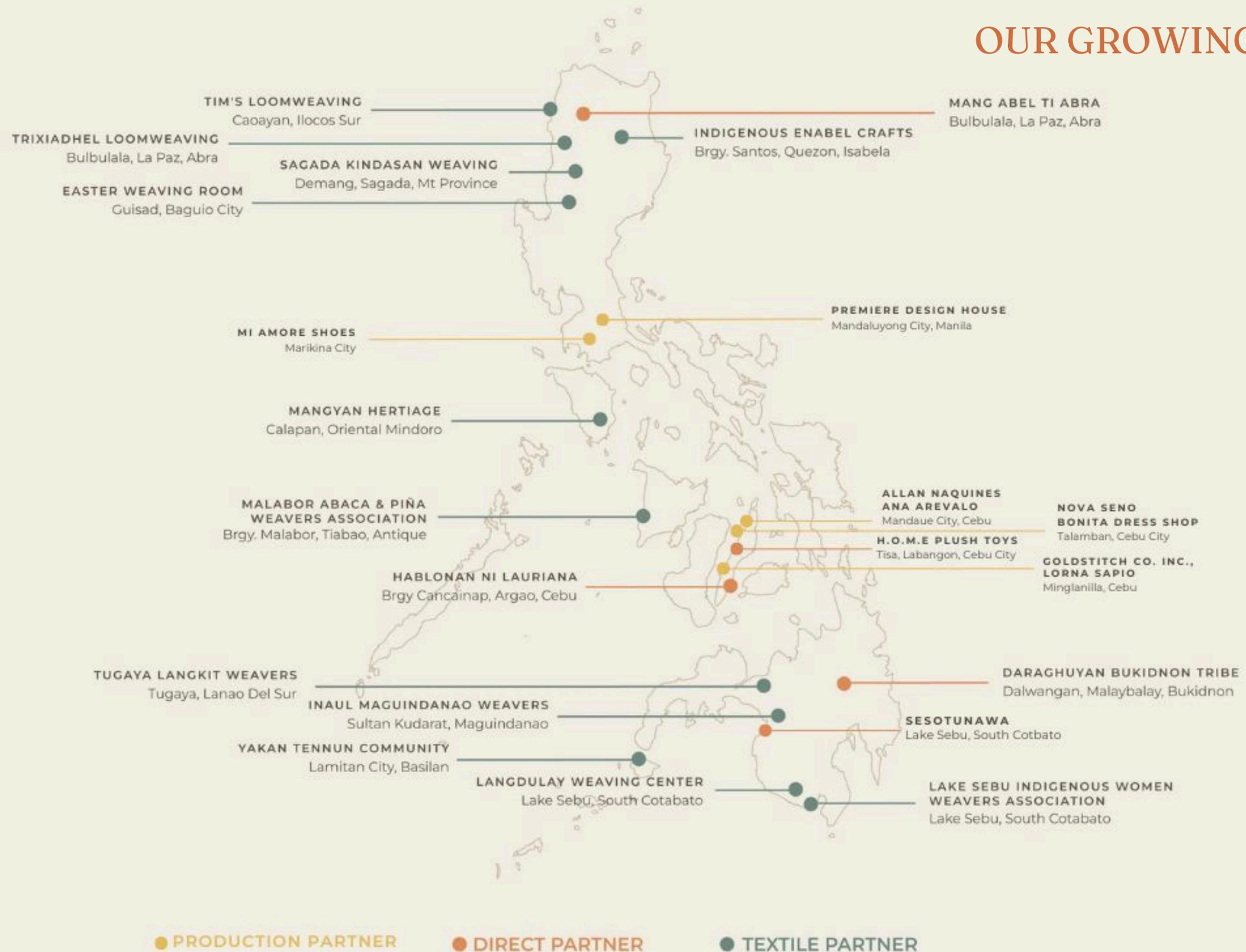
ANTHILL is a social and cultural enterprise dedicated to preserving Philippine weaving traditions and creating sustainable livelihoods for partner artisan communities.

It supports cultural preservation and sustainable livelihood through community enterprise building among its partner artisan communities.



We celebrate and elevate Filipino culture through contemporary and circular design.

OUR GROWING COLONY



WHAT SETS US APART

In our commitment to provide sustainable livelihood and create positive impact, ANTHILL Fabric Gallery institutes its Community Enterprise Development Program (CEDP). CEDP is a community and culture based modular coursework facilitated informally through dialogue and workshops among our direct partners.



CULTURAL
APPRECIATION



PRODUCT
DESIGN AND
INNOVATION



BUSINESS
SKILLS
TRANSFER

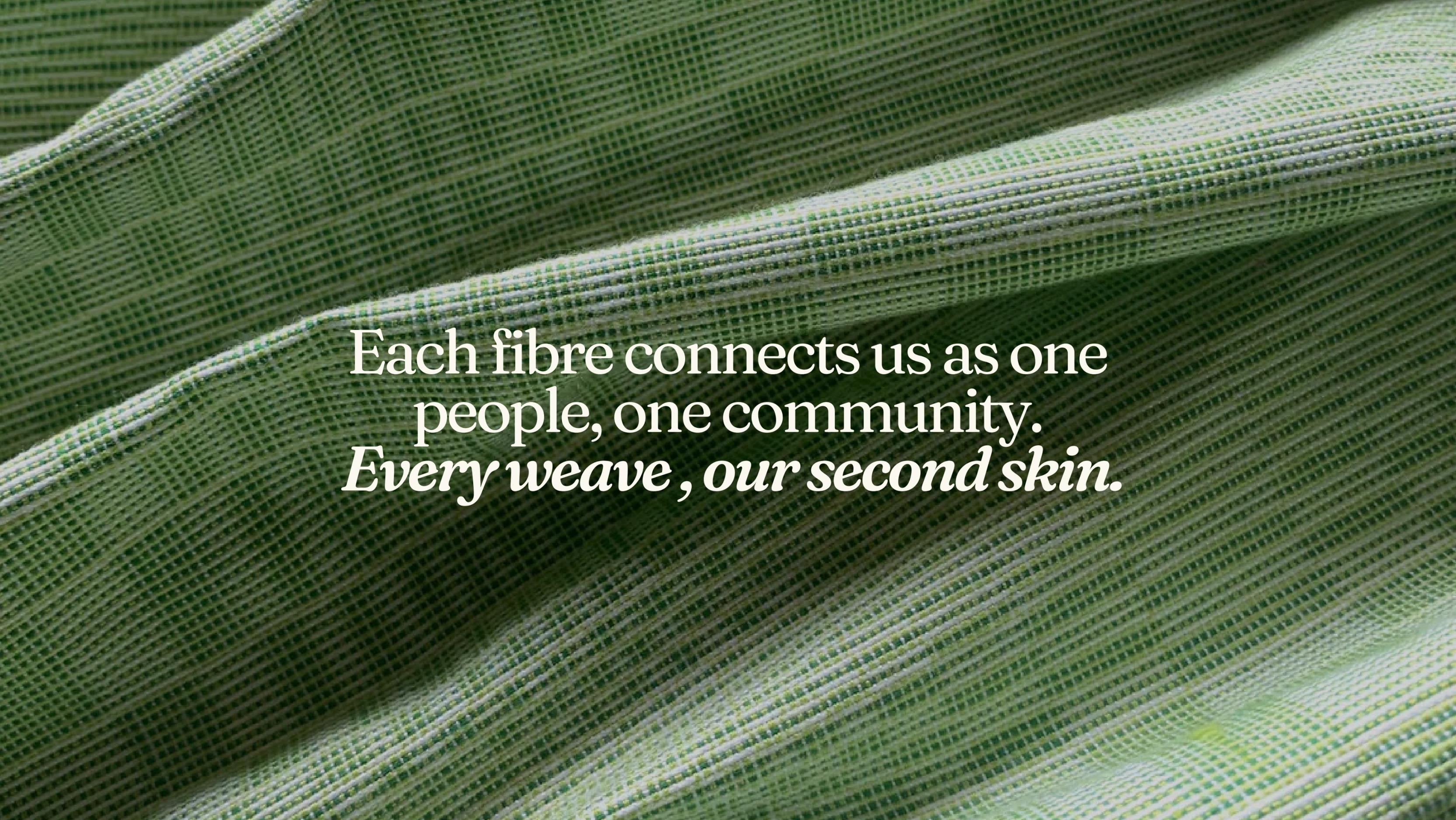


MASTER AND
APPRENTICE
PROGRAM



FINANCIAL LITERACY
AND SAVINGS
PROGRAM

ANTHILL Fabric Gallery guides the transformation of artisan communities into local business enterprises. ANTHILL provides training programs, fair trade pricing and market access resulting in sustainable livelihoods and lasting cultural preservation.



Each fibre connects us as one
people, one community.
Every weave, our second skin.

No weave wasted!

1,000 Kilos

Collected from ANTHILL's
small manufacturing business
from 2010-2016



427.4
OLYMPIC SIZE POOLS

**AMOUNTING TO 267,111 TONS OF
TEXTILE WASTE GENERATED ANNUALLY
IN THE PHILIPPINES**

**ACCORDING TO A 2018 NATIONAL SOLID WASTE
MANAGEMENT STATUS REPORT**



SOURCE:
Environmental Management Bureau DENR (2018). National Solid Waste Management Status Report.
<https://emb.gov.ph/wp-content/uploads/2019/08/National-Solid-Waste-Management-Status-Report-2008-2018.pdf>



THE FASHION INDUSTRY IS THE

2ND

LARGEST POLLUTER
IN THE WORLD



92 MILLION TONNES
TEXTILE WASTE
GENERATED ANNUALLY

According to a report by
Ellen MacArthur Foundation (2017)

85%

AMOUNT OF TEXTILES
PRODUCED DISCARDED
ARE ANNUALLY

According to the
Environmental Protection Agency (2018)

1%

AMOUNT OF TEXTILES
RECYCLED ANNUALLY

According to a report by
Ellen MacArthur Foundation (2017)

Plastics in Fashion



60%

**OF ALL NEW
CLOTHING ARE MADE
FROM PLASTICS**

According to a report by
Ellen MacArthur Foundation (2017)

500,000

**TONNES OF
MICROPLASTICS
FROM TEXTILES
ENTER OUR OCEANS
ANNUALLY**

From the European Environment
Agency (2020)

SOURCE:
Ellen MacArthur Foundation (2017) — "A New Textiles Economy" report
European Environment Agency. (2020). Microplastics from textiles: towards a circular economy for textiles in Europe

For us, sustainability is about responsible resource use, ensuring both the enduring thread of our cultural heritage and the safeguarding of our planet for generations to come.

Our Circular Solution: *Weaving Waste*



IN 2016, OUR ZERO WASTE PROGRAM WAS BORN AS WE EXPLORED THE VALUE OF UPCYCLING AND CIRCULAR FASHION IN OUR OWN SUPPLY CHAIN.

Zero Waste Program
A textile innovation

Zero Waste Weaves

UNDER THE GUIDANCE OF TEXTILE AND APPAREL DESIGNER JESSICA OUANO, WE COLLABORATED WITH THE ARGAO WEAVING COMMUNITY IN CEBU, PHILIPPINES, TO *INCORPORATE TEXTILE WASTE AS WEFT IN OUR WEAVES*, WHILE PURSUING UPCYCLING AND CIRCULAR FASHION TO PRESERVE OUR HANDLOOM WEAVING HERITAGE.



Learn how we turn scraps into handwoven fabrics here: [Zero Waste Weave Process](#)

What we work with?



*POST INDUSTRIAL
TEXTILE WASTE*

textile off-cuts

end-of-rolls

deadstock fabrics



*POST CONSUMER
TEXTILE WASTE*

decommissioned
uniforms

hotel towels &
linens

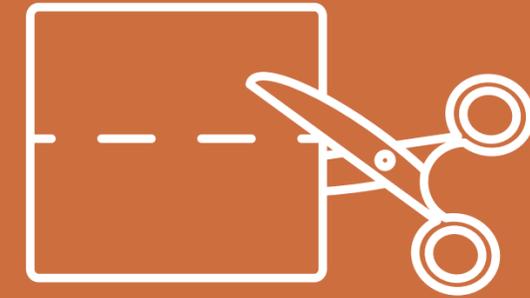
Zero Waste Weaves Process



Old clothes and textile donations
from the community



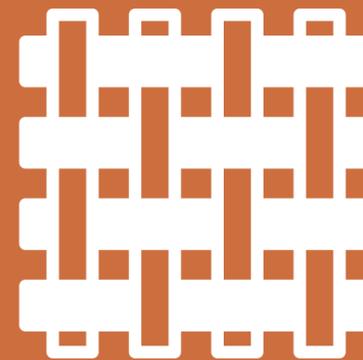
Fabrics are sorted by kind and
color



Fabrics are cut into strips providing
livelihood to cutters



The cut fabrics are transported to
the community



Fabric scraps are used as weft
(horizontal yarn) in the weaving
process



Rolls of fabrics are produced from
different fabric scraps

Community Call for Fabric Scraps

JANUARY TO FEBRUARY 2024

A stitched success!
Our Fabric Scrap Collection
wraps up with thanks -

WE HAVE COLLECTED

1,994

KILOS OF SCRAPS

THEY ARE NOW BEING SORTED BEFORE WE CUT THEM INTO
STRIPS AND READY TO BE WOVEN INTO NEW FABRICS.
FOLLOW OUR TRAIL FOR UPDATES!



HOW IT'S GOING:



1,994 kg

OF FABRIC SCRAPS COLLECTED

160 donors

ARE UPCYCLING THEIR SCRAPS

83%

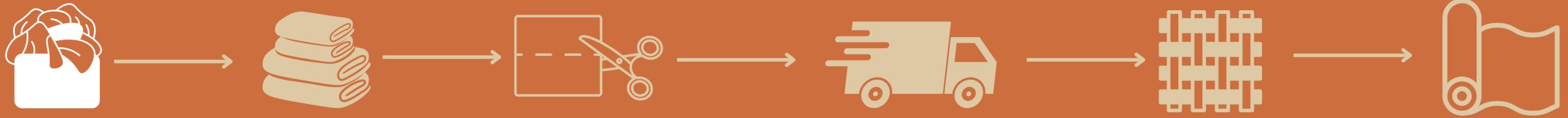
COME FROM METRO MANILA

87.5%

OF SCRAPS WERE "OLD CLOTHES"

*remember this statistic when purchasing
new clothes of poor quality, only satisfy
fleeting trends, or you don't 100% need.

Zero Waste Weaves Process

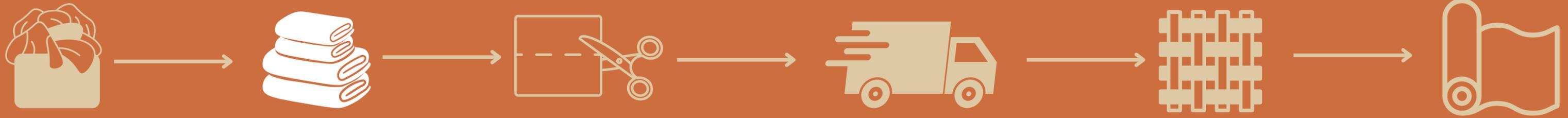


Call for Scraps
RECLAIMING FABRIC
SCRAPS WITH THE
COMMUNITY

A HUGE THANK YOU TO BACK TO BASICS ECO STORE AND ROOTS COLLECTIVE FOR BEING DROP-OFF POINTS.

THE DONATIONS FROM MANILA WERE COLLECTED AND PACKED INTO BOXES. THESE BOXES ARE ON THEIR WAY TO CEBU. OUR COMMUNITY FUNDS WERE USED TO COVER LOGISITCAL COSTS

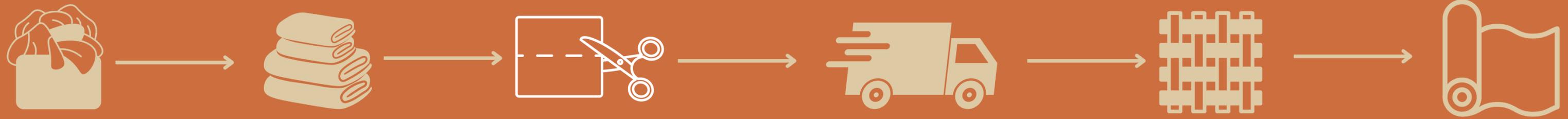
Zero Waste Weaves Process



Sorting

FABRICS ARE SORTED
ACCORDING TO KIND, SIZE AND
COLOR

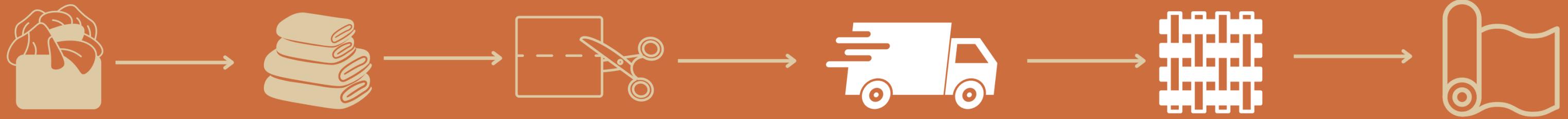
Zero Waste Weaves Process



Cutting

CUTTING OF FABRICS INTO STRIPS IN PREPARATION FOR WEAVING

Zero Waste Weaves Process



Weaving

TEXTILE SCRAPS ARE METICULOUSLY WOVEN BY ARTISANS AS WEFTS OF THE FABRIC



STRIPS OF
TEXTILE
SCRAPS



TINY
TEXTILE
SCRAPS



HOTEL
TOWELS



Sustainable change and positive impact is at the core of our work.



IMPACT METRICS

We are about forming partnerships of shared values to create a positive impact: a sustainable livelihood for our partners and communities, champion Philippine weaving traditions, contribute to a circular economy.

750

Artisans with sustainable livelihood

+30%

Increase in average income of our partners

+85%

Additional income from circular activities

+24,648.04

Kilos of textile waste saved from landfills



SINCE 2015



Circular Community Partner:
Hablonan ni Lauriana, Argao, Cebu



INCREASE IN NUMBER OF
WEAVERS. FROM 4
WEAVERS TO 15 WEAVERS.

275%

INCREASE IN INCOME.
FROM 3-4K TO AVE.
15K/MONTH



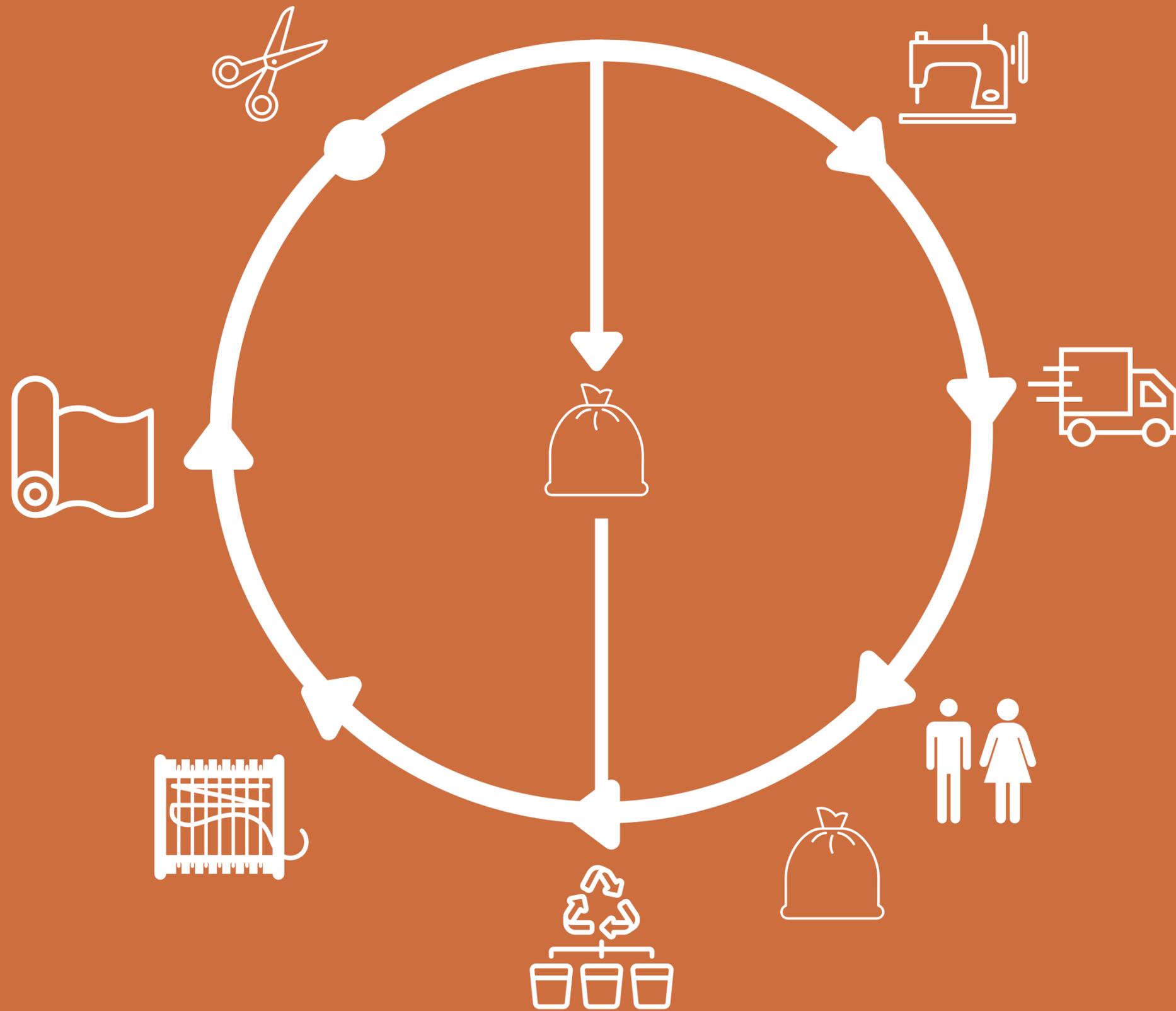
ORGANIZED COMMUNITY
ENTERPRISE WITH ARTISAN
SAVINGS ACCOUNT



INCREASED BUSINESS
SKILLS AND TECHNICAL
WEAVING SKILLS

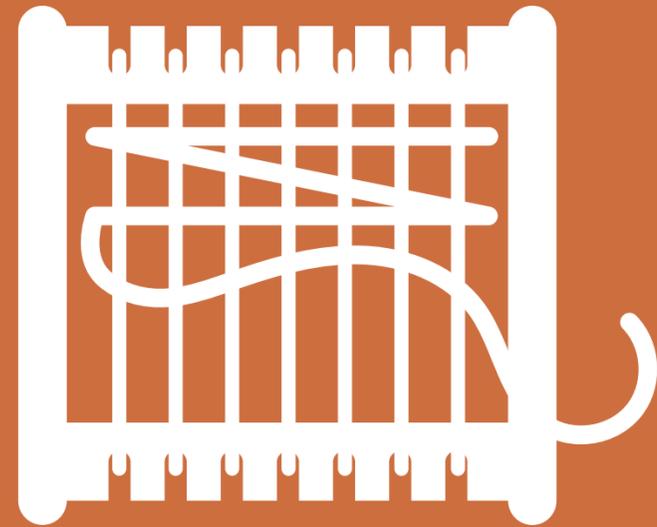
TRADITIONAL PRODUCTION MODEL





CIRCULAR MODEL

extends the life of fabrics by returning them to the production process as a resource



CULTURE

+



CIRCULARITY

+



COMMUNITY

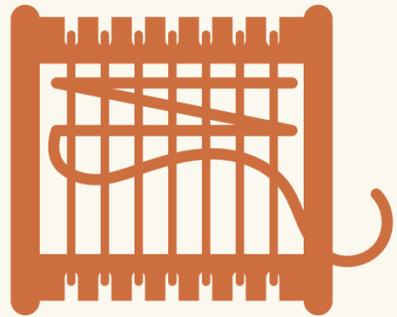
Weaving culture, circularity and community towards a more sustainable fashion industry.

Continuous Creative Innovation



Circular Programs

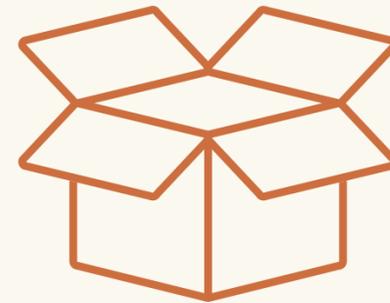
ZERO WASTE PROGRAM



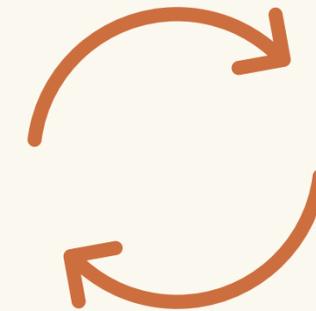
Zero Waste Weaves



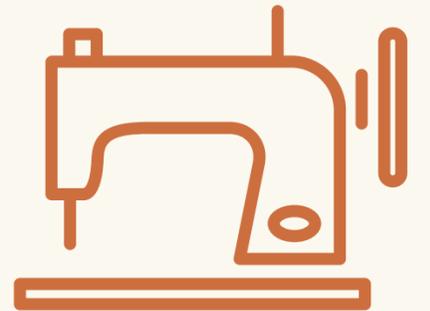
*Weave Exchange +
Reweave*



Reclaim



Recycle



Reimagine



Rework



Repair

ZERO WASTE PROGRAM



Weave Exchange + Reweave

Reintegration of pre-loved ANTHILL pieces into ANTHILL Markets in exchange for gift cards for their next purchase.

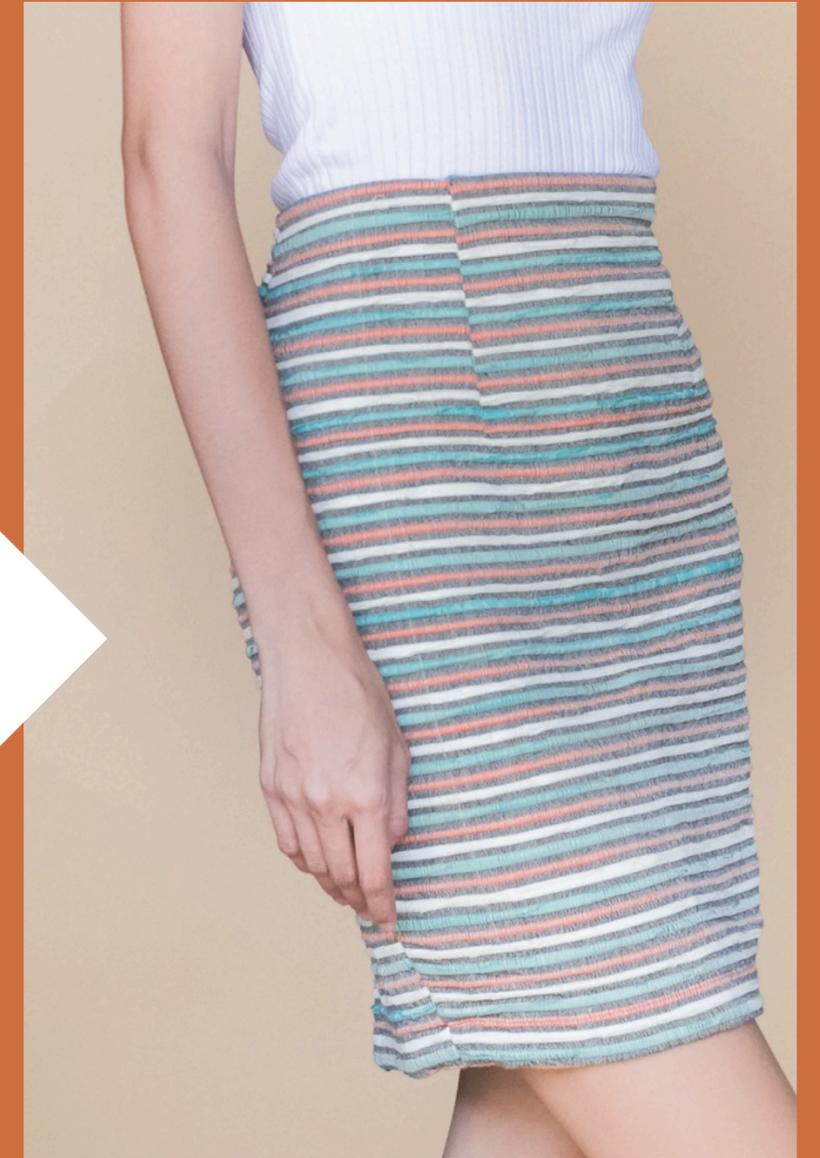
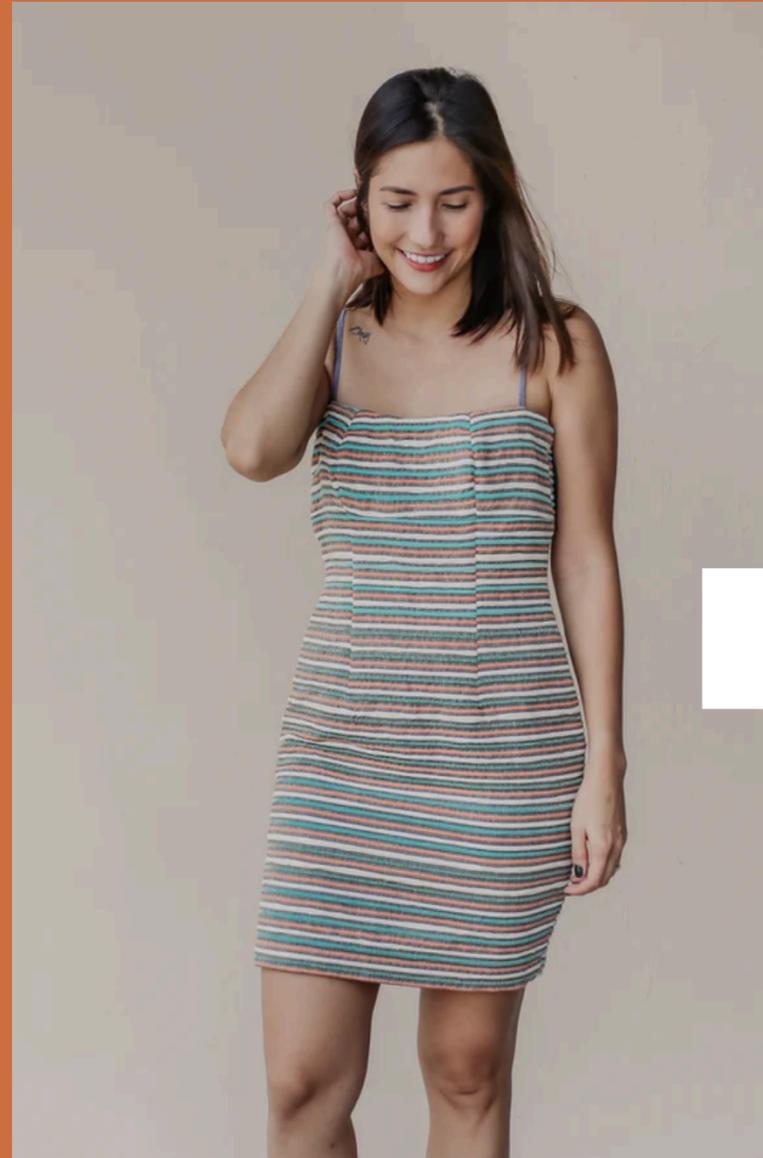


ZERO WASTE PROGRAM



Rework

Giving new life to garments with defects or rejects through creative patchwork, trims, and innovative cuts, transforming them into one-of-a-kind pieces.



ZERO WASTE PROGRAM



Repair

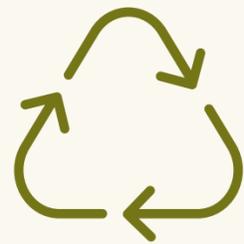
Free Repair forever on your ANTHILL pieces. Helping our Proud Weave Wearers extend the life of the their ANTHILL pieces through mending.





Barrio is ANTHILL's innovative circularity hub, embodying a commitment to sustainability, through textile reclamation, recycling and reimagining of textiles into valuable new fabrics and products.

OUR GOALS



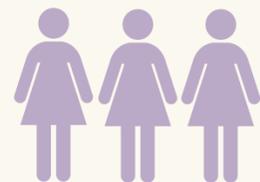
Circularity

Champion a circular textile economy through reducing landfill waste and pollution

Collaboration

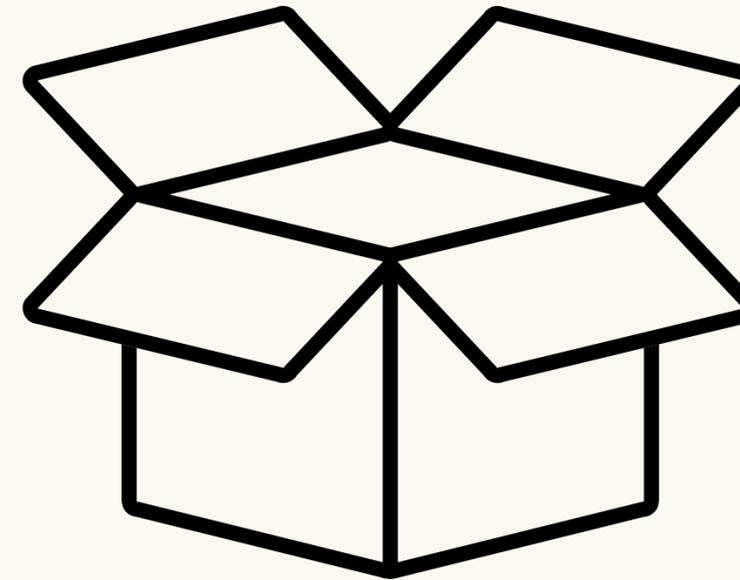
Help businesses become more sustainable

B2B



Community

Build capacity and integrating women and artisans in the green economy while creating sustainable livelihood

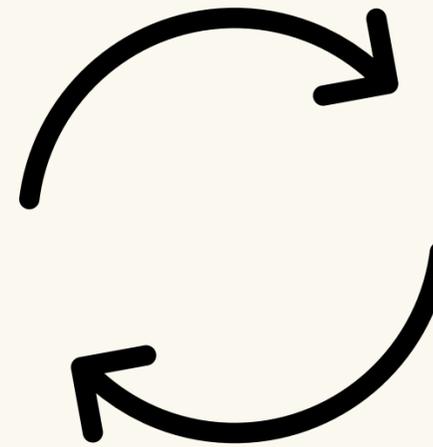


*Reclaim:
Community Call for Fabrics*

Divert textiles from landfills through market reintegration, of commercial fabrics, empowering the community in recycling and supporting our local artisans through income generation while fostering traditional weaving and sewing skills.

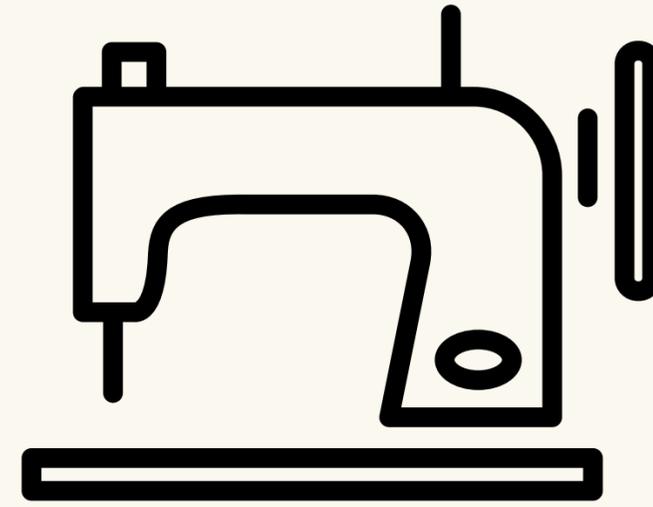


atmosphere
RESORTS & SPA · PHILIPPINES



Recycle: Buy-back Program

Tackling textile waste, one partnership at a time. We transform businesses' textile waste into custom fabrics and/or products like uniforms and unique corporate giveaways.



*Reimagine:
Sewstainable Manufacturing*

We co-create #sewstainable products and solutions for your eco-business needs.

Soon: BARRIO HUB

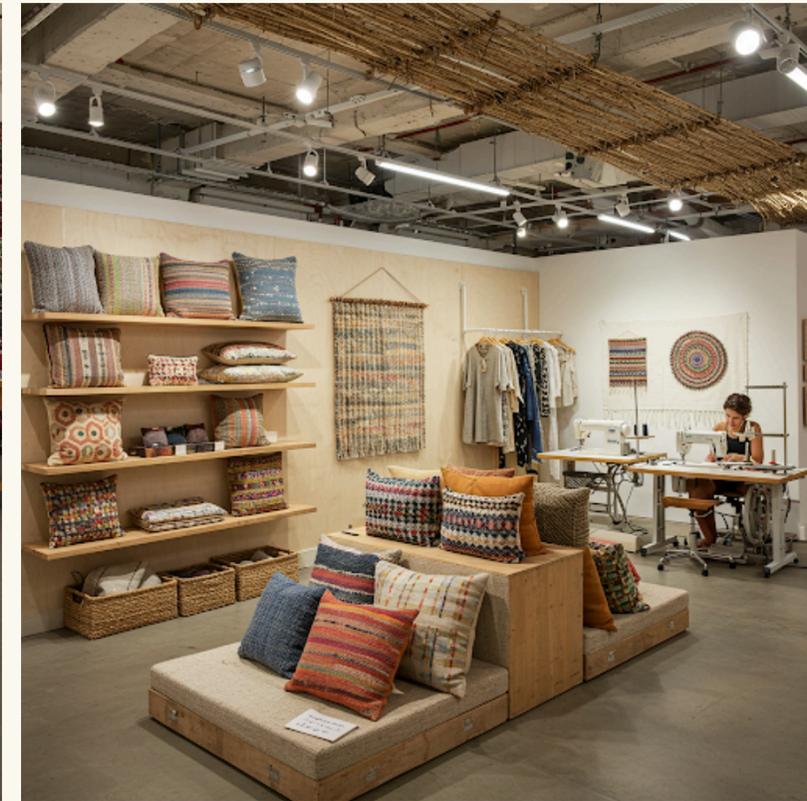
Creating a closed-loop system, our circularity hub reclaims, weaves, and reimagines textile waste into valuable new fabrics and products, fostering artisan skills and driving sustainable innovation.



RECLAMATION AREA
(SORTING AREA)



RECYCLING AREA
(WEAVING AREA)

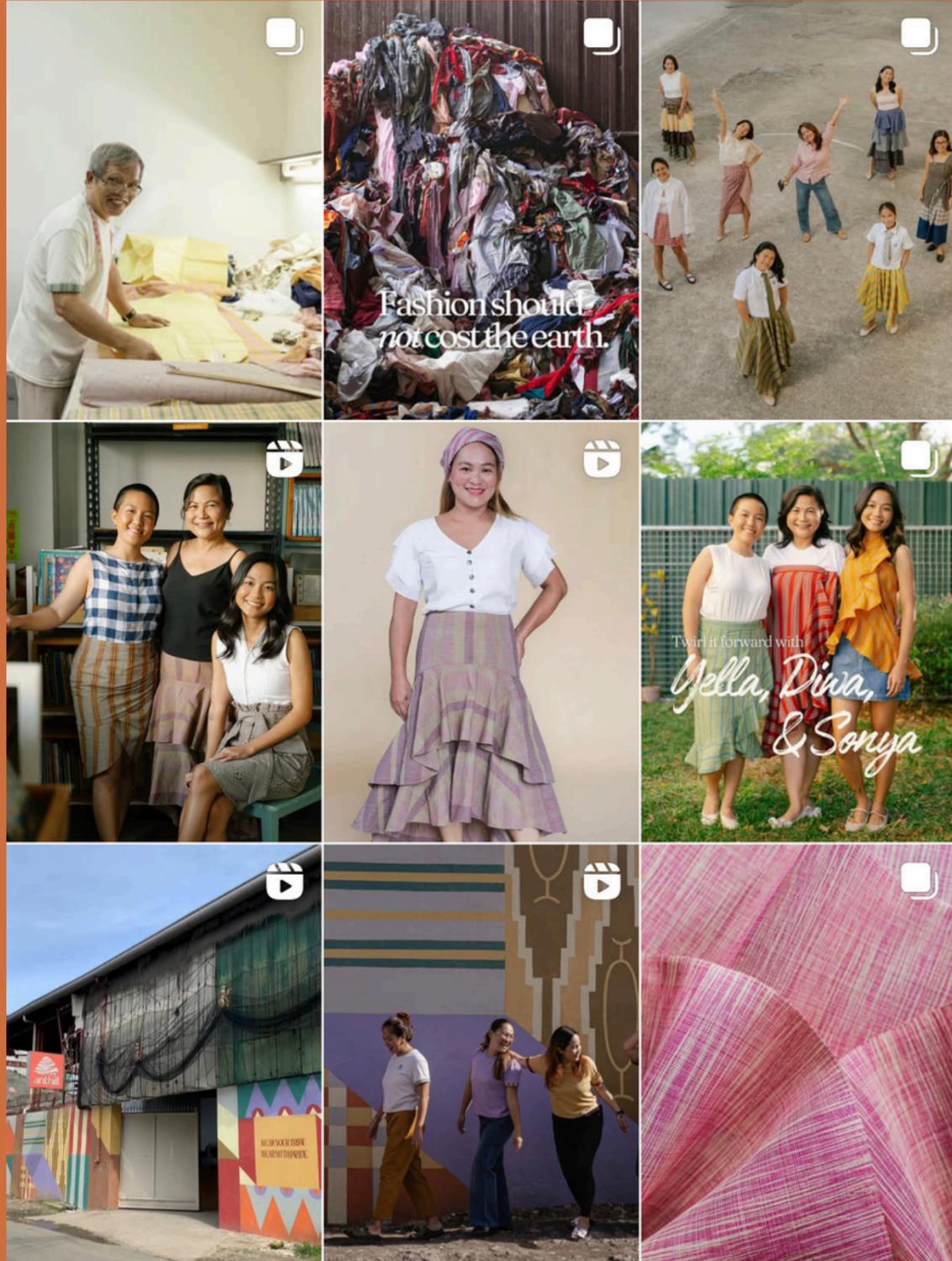


REIMAGINING AREA
(PRODUCTION &
SHOWROOM AREA)

Together, let's weave towards a circular fashion industry, creating a tapestry of cultural preservation woven with sustainable practices.

Thank you for *weaving*
dreams with us!





Let's Collaborate!



anthillmarkets.com
anthillfabrics.com



[@anthillfabrics](https://www.instagram.com/anthillfabrics)



jamie@anthillfabricgallery.com

