

# UP-CYCLING



UP-CYCLING

# INTRODUCTION TO TEXTILE WASTE





## ANNUAL PRODUCTION OF TEXTILE WASTE IN CHINA

**> 20m  
tonnes**

WHAT ARE THE ISSUES SURROUNDING TEXTILE WASTE?

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**1.13m  
tonnes**

END-OF-LIFE CLOTHING ARE NO LONGER  
WANTED BY UK CONSUMERS EACH YEAR

|

**350k tonnes  
= £140m**

ARE SENT TO LANDFILL



IN THE EUROPEAN UNION

**9.4bn  
tonnes**

OF TEXTILE WASTE ARE EITHER  
LANDFILLED OR INCINERATED  
EACH YEAR



## PRE-CONSUMER WASTE

is made up of manufacturing waste that has not reached the consumer.

WHAT ARE THE ISSUES SURROUNDING TEXTILE WASTE?

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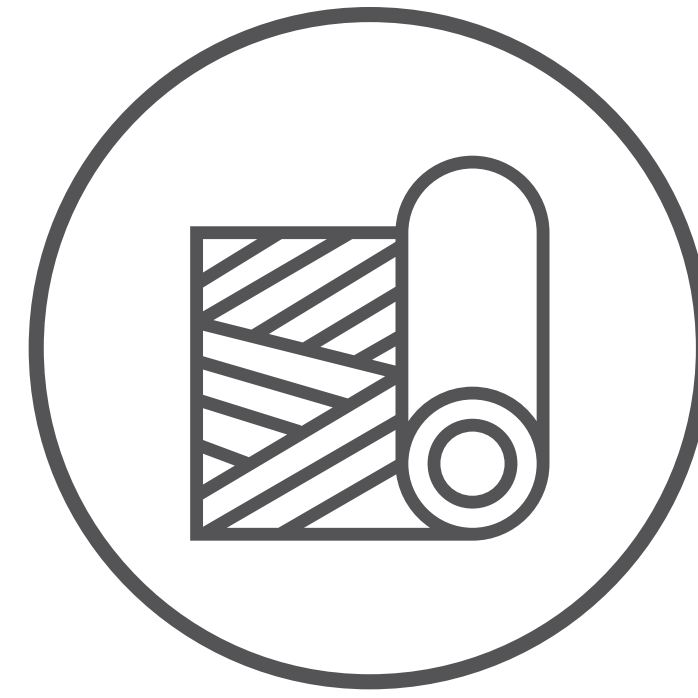


## POST-CONSUMER WASTE

is waste collected after the consumer has disposed of it.

WHAT ARE THE ISSUES SURROUNDING TEXTILE WASTE?

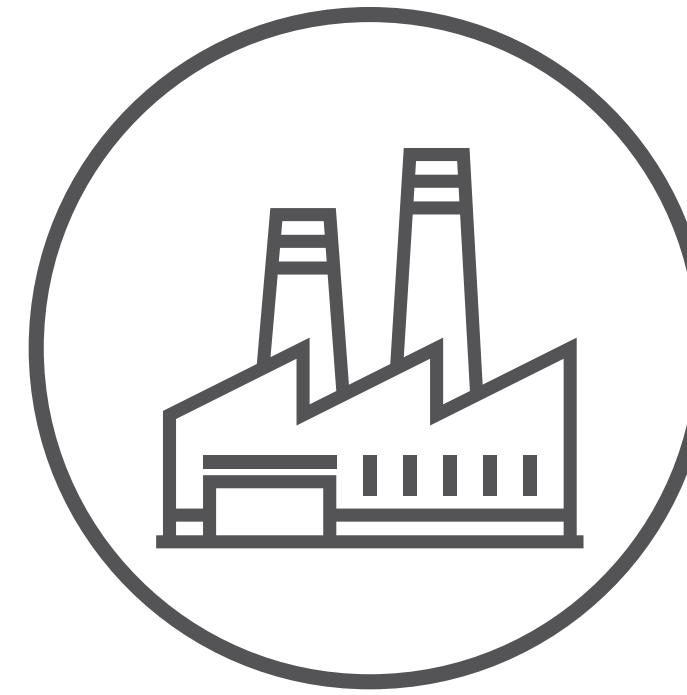
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## PRE-PRODUCTION

Ordering an extra 10-20% of fabric than is needed is common practice in the fashion industry.





## MANUFACTURING

A large amount of textile waste is generated during the manufacturing stage, averaging at 25% of the fabrics and fibres used in production, but this figure can reach as high as 47%



## **POST-MANUFACTURING**

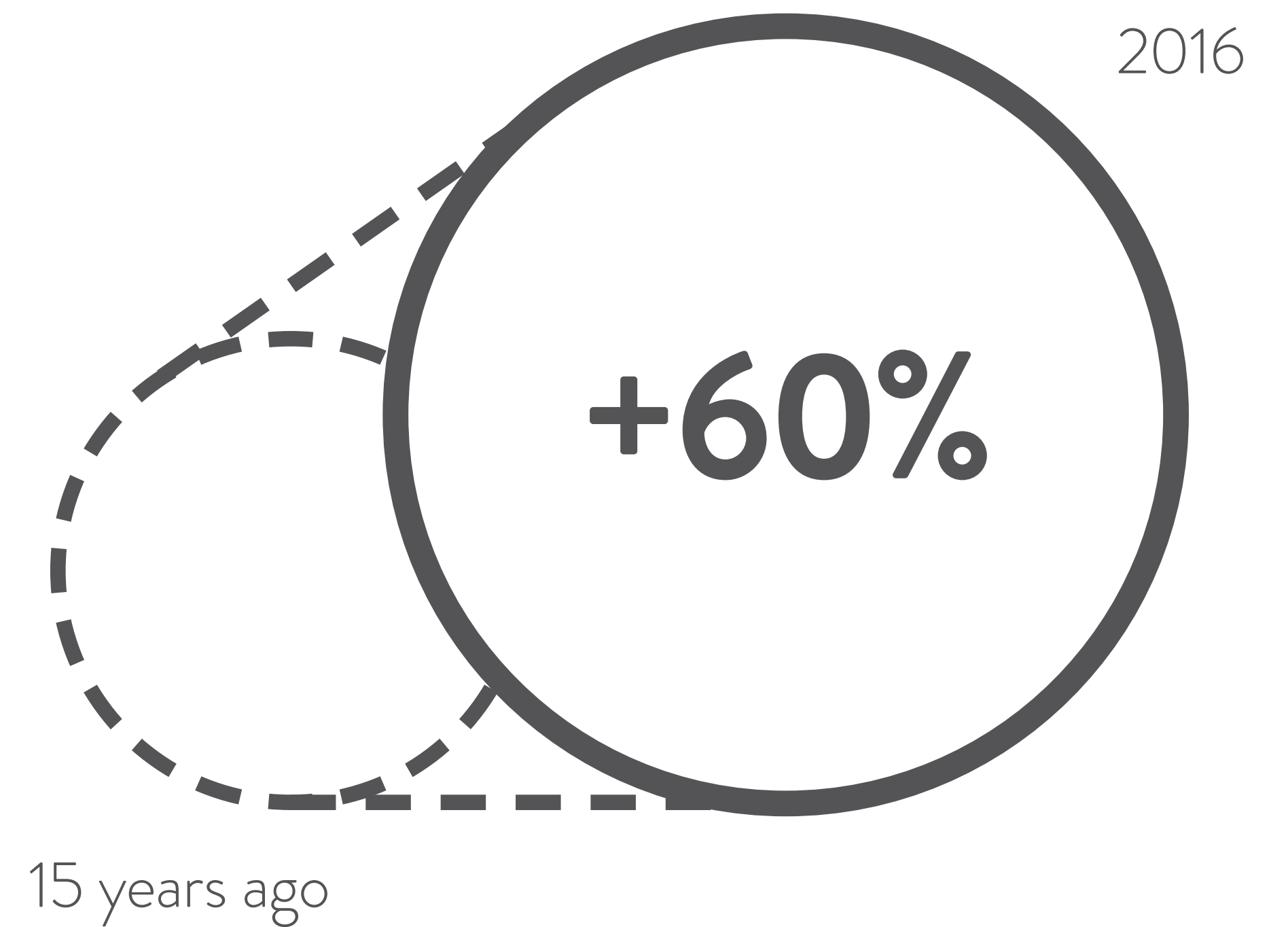
Overorders of fabrics are sometimes sold to third parties, put into storage, discarded or even destroyed.

**WHAT ARE THE ISSUES SURROUNDING TEXTILE WASTE?**

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## AVERAGE CONSUMER CONSUMPTION OF CLOTHING





TEXTILE WASTE:

ALMOST  
**100%**  
REUSABLE OR  
RECYCLABLE

UP-CYCLING

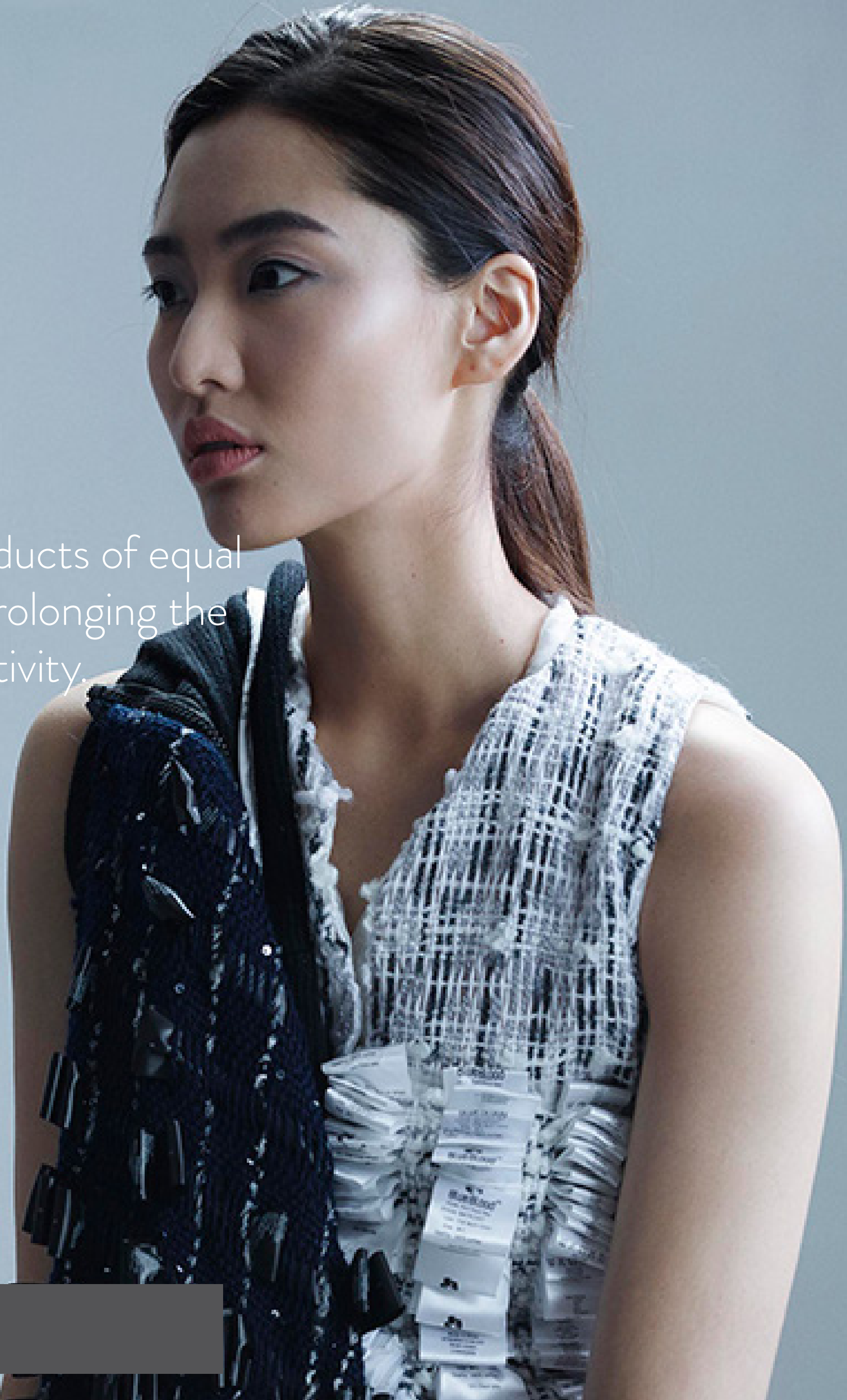
# INTRODUCTION TO UP-CYCLING DESIGN

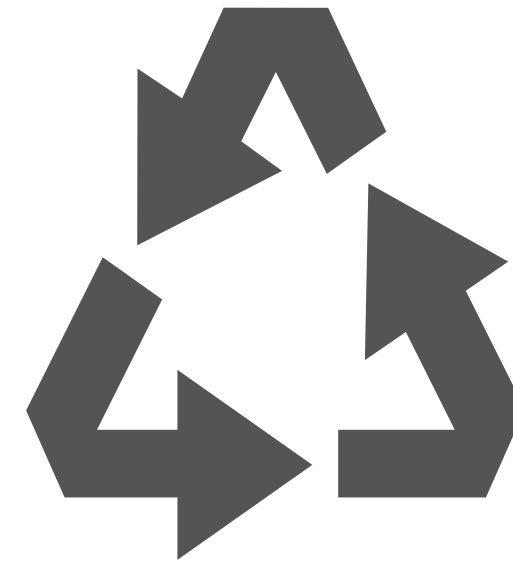




# UP-CYCLING

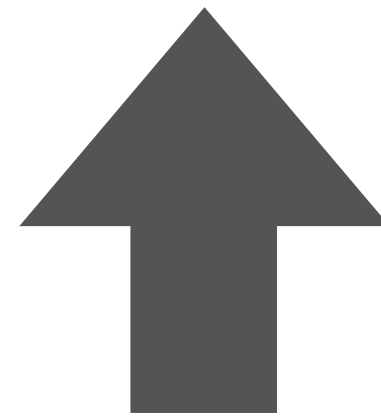
is the transformation of materials into products of equal or higher quality. In fashion, this means prolonging the life of waste textiles through creativity.





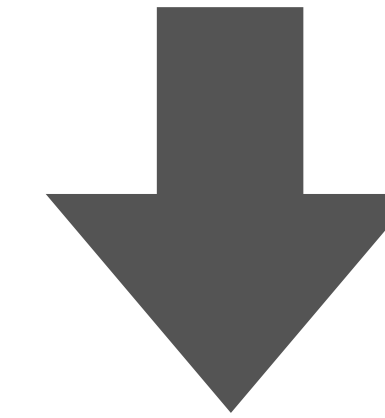
## RECYCLING

is an overarching word for the process of turning waste materials into new products. Both up-cycling and down-cycling are examples of recycling.



## UP-CYCLING

is the transformation of materials into products of equal or higher quality (e.g. turning surplus factory textiles into a new shirt).



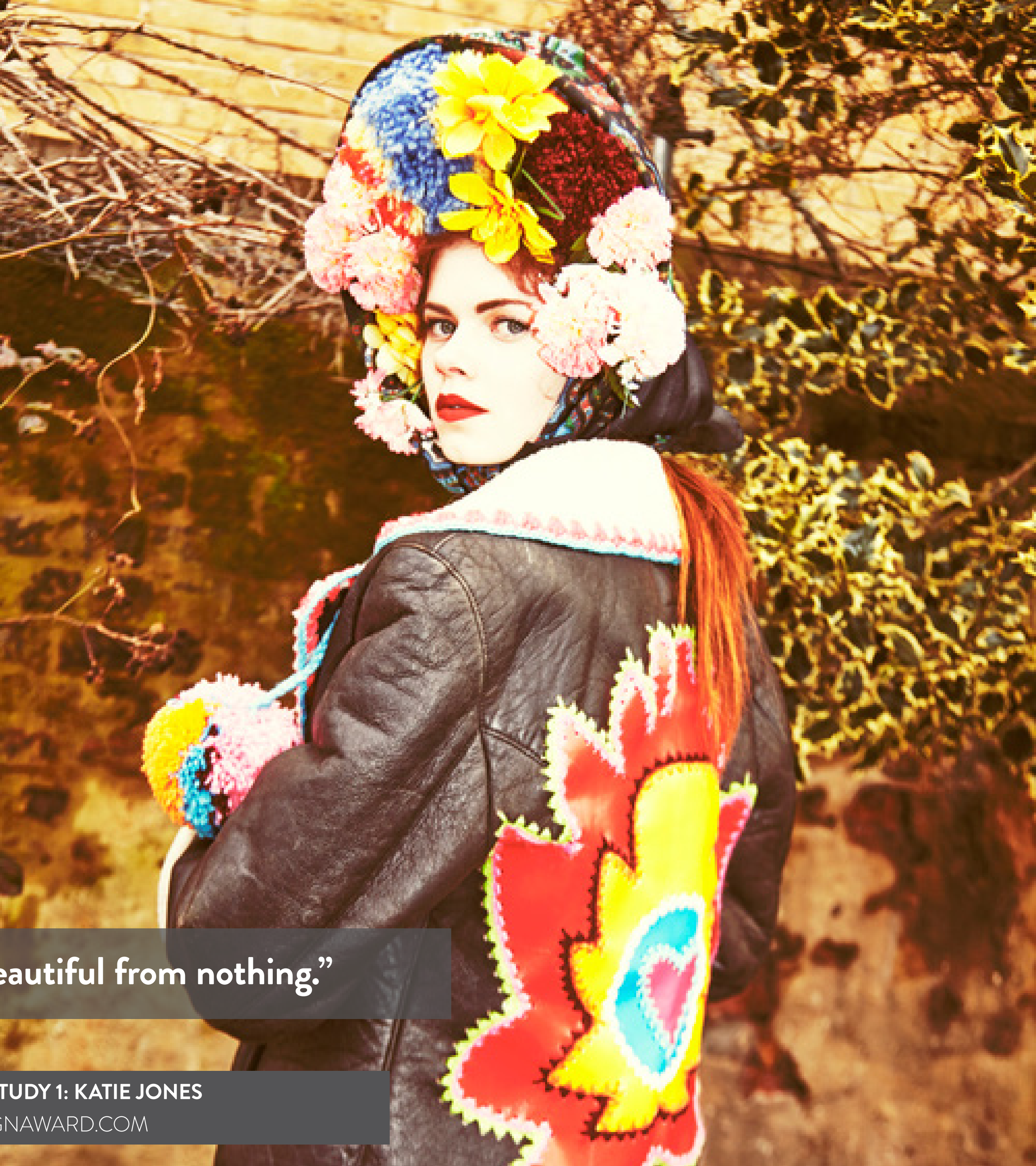
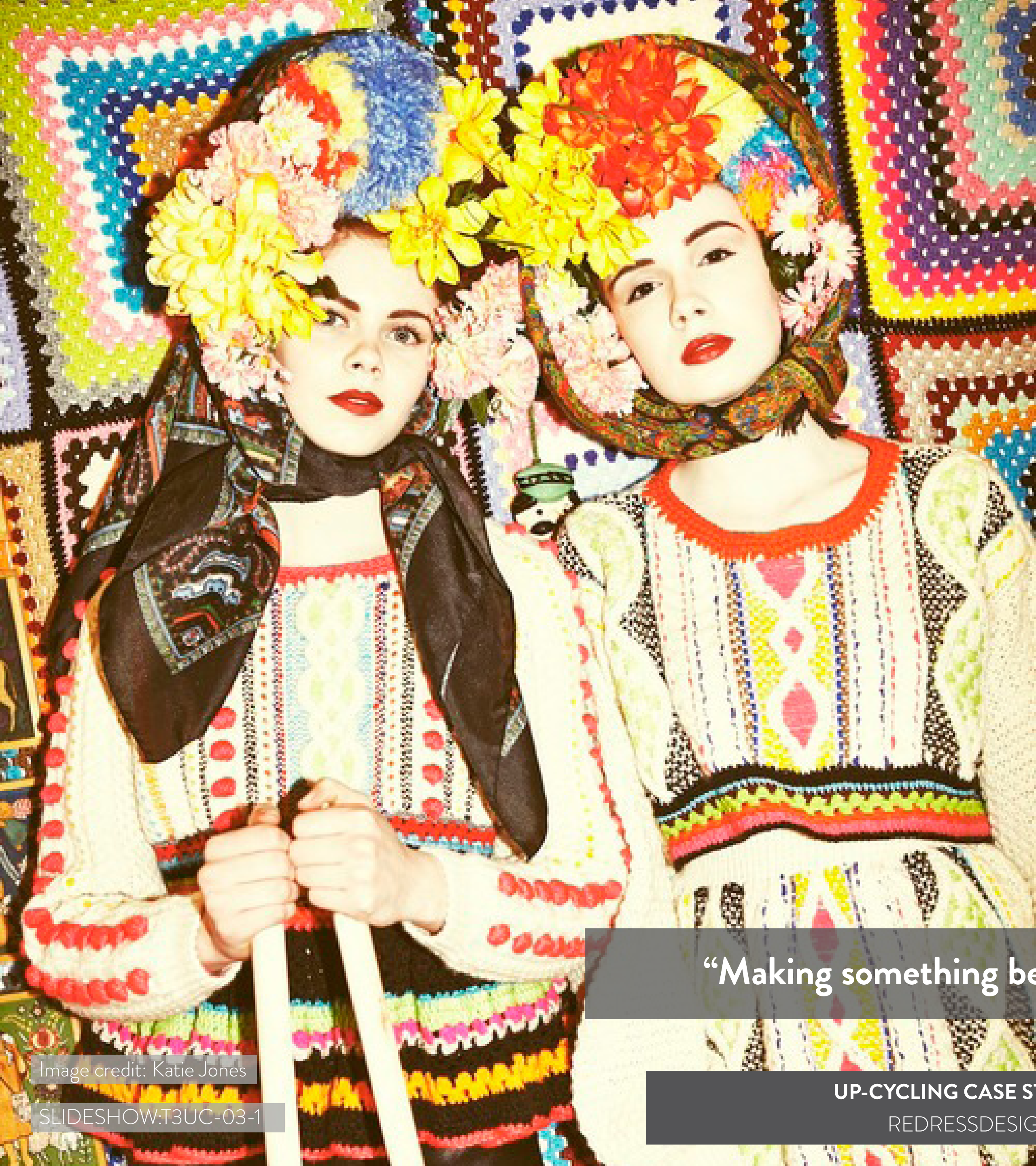
## DOWN-CYCLING

is the recycling of something into a material with a lower value or quality than the original item (e.g. turning an old t-shirt into a dishrag).

UP-CYCLING  
**CASE STUDIES**







“Making something beautiful from nothing.”

Image credit: Katie Jones

SLIDESHOW:T3UC-03-1

UP-CYCLING CASE STUDY 1: KATIE JONES

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Image credit: Katie Jones

SLIDESHOW:T3UC-03-2

**UP-CYCLING CASE STUDY 1: KATIE JONES**

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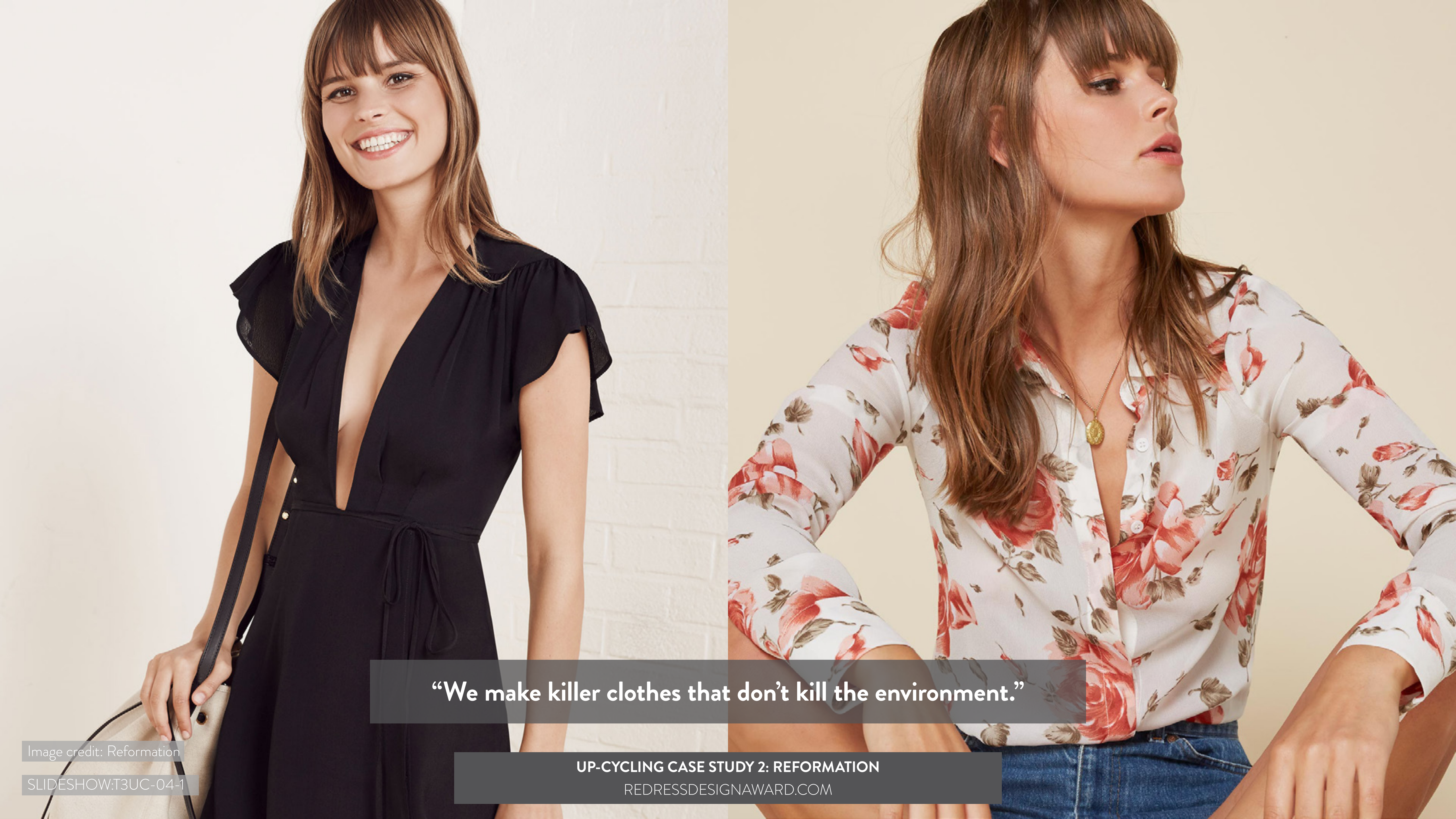


Image credit: Katie Jones

SLIDESHOW:T3UC-03-3

UP-CYCLING CASE STUDY 1: KATIE JONES

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**“We make killer clothes that don’t kill the environment.”**

Image credit: Reformation

SLIDESHOW:T3UC-04-1

**UP-CYCLING CASE STUDY 2: REFORMATION**  
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Image credit: Reformation

SLIDESHOW:T3UC-04-2



**UP-CYCLING CASE STUDY 2: REFORMATION**

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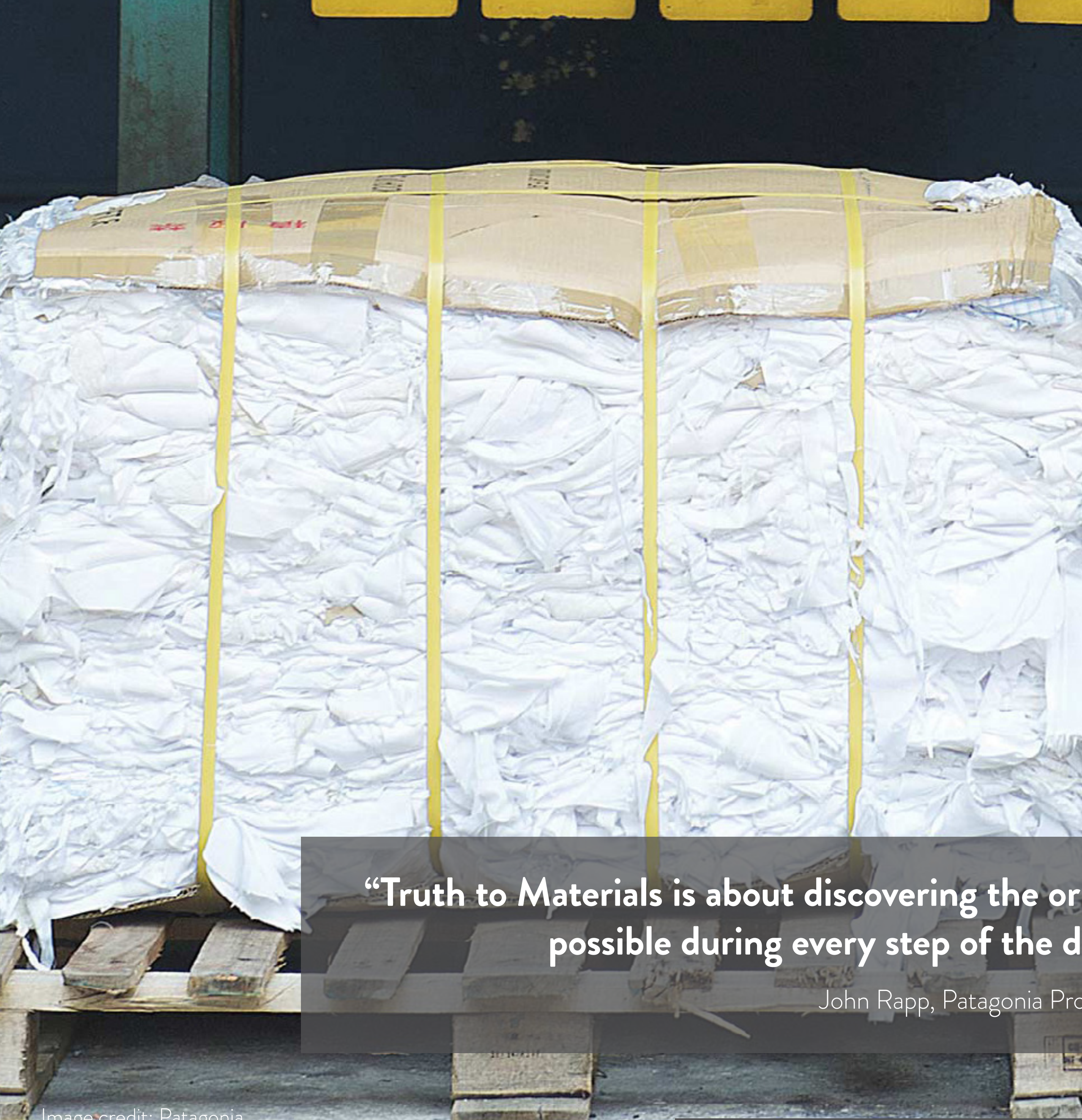


Image credit: Reformation

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UP-CYCLING CASE STUDY 2: REFORMATION

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**“Truth to Materials is about discovering the origin of a material and staying as true to that as possible during every step of the design and manufacturing process.”**

John Rapp, Patagonia Product Designer and Tester



Image credit: Patagonia

SLIDESHOW:T3UC-05-2





Image credit: Patagonia

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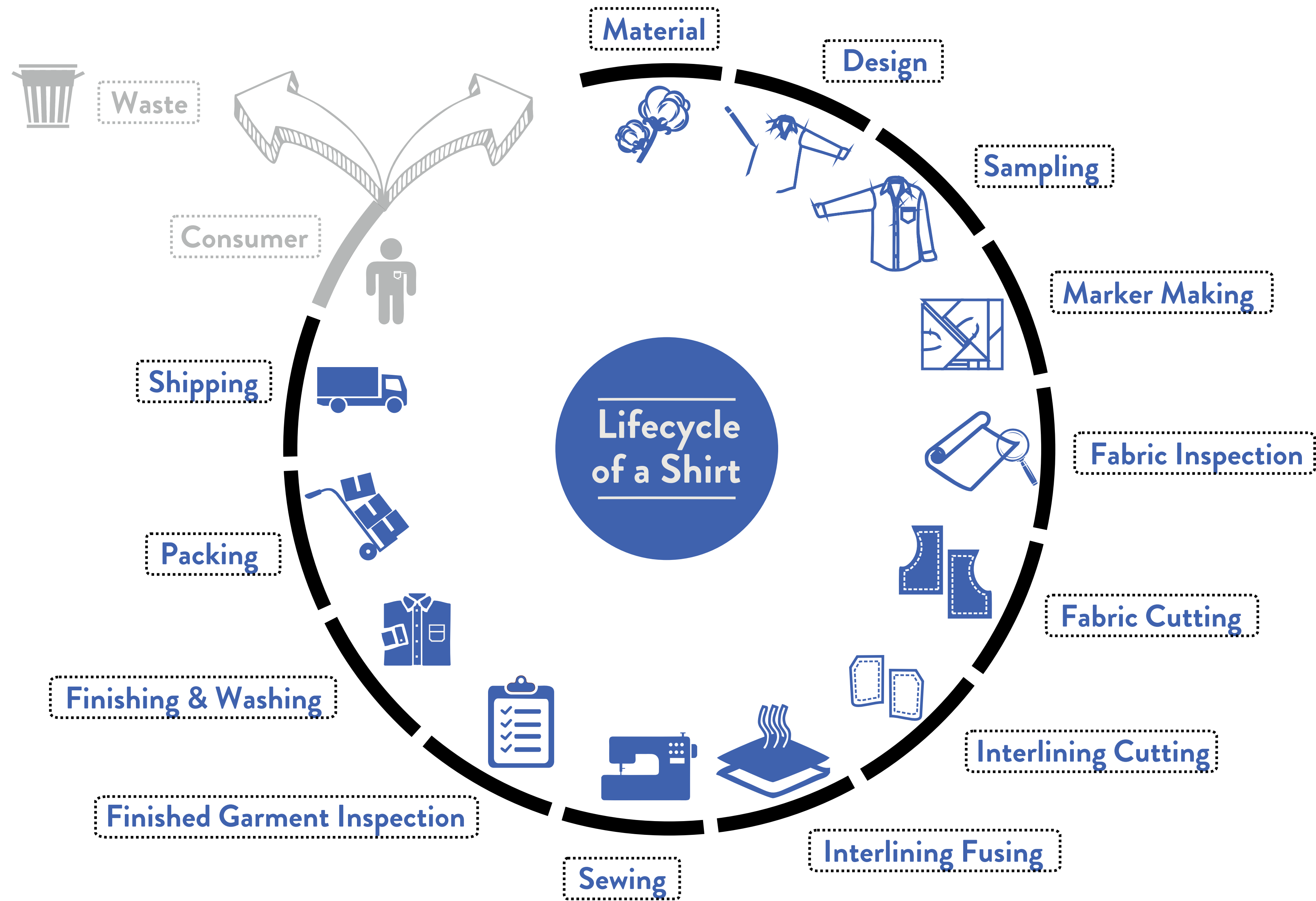
**UP-CYCLING CASE STUDY 3: PATAGONIA**

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UP-CYCLING

# EXERCISES & PROJECT BRIEFS





UP-CYCLING EXERCISE 1: IDENTIFY PRE-CONSUMER TEXTILE WASTE

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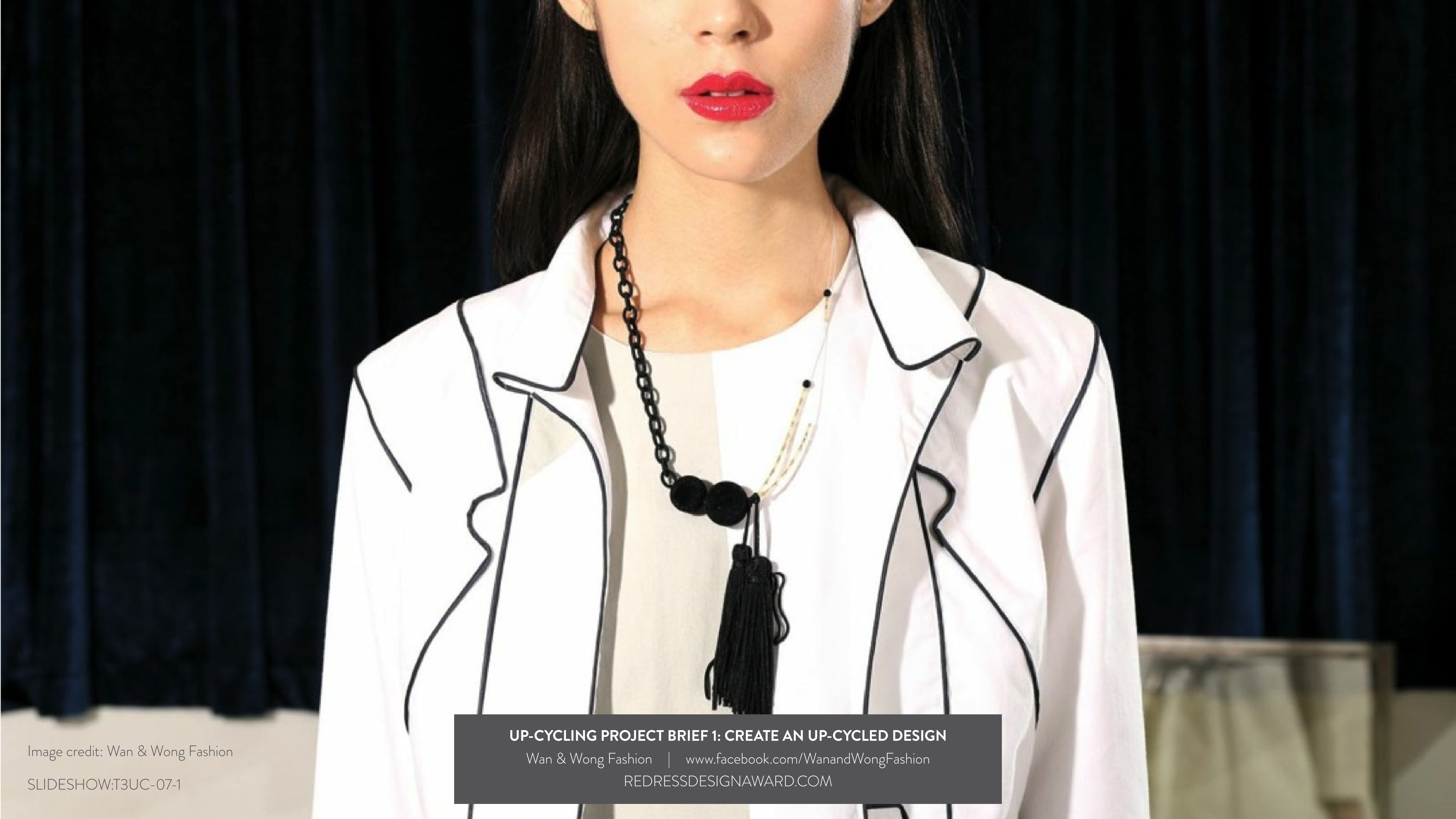


Image credit: Wan & Wong Fashion

SLIDESHOW:T3UC-07-1

**UP-CYCLING PROJECT BRIEF 1: CREATE AN UP-CYCLED DESIGN**

Wan & Wong Fashion | [www.facebook.com/WanandWongFashion](http://www.facebook.com/WanandWongFashion)

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**UP-CYCLING PROJECT BRIEF 1: CREATE AN UP-CYCLED DESIGN**

Classics Anew | [www.classicsanew.com](http://www.classicsanew.com)

[REDRESSDESIGNAWARD.COM](http://REDRESSDESIGNAWARD.COM)

Image credit: Classics Anew

SLIDESHOW:T3UC-07-2



**UP-CYCLING PROJECT BRIEF 2: FOLLOWING TEXTILE WASTE STREAMS**

Sara Kiani | The EcoChic Design Award 2015/16 finalist  
REDRESSDESIGNAWARD.COM



Image credit: Alex Law

SLIDESHOW:T3UC-09-1

### UP-CYCLING PROJECT BRIEF 4: EXPERIMENTAL UP-CYCLING

Alex Law | The EcoChic Design Award 2013 finalist  
REDRESSDESIGNAWARD.COM



**UP-CYCLING PROJECT BRIEF 4: EXPERIMENTAL UP-CYCLING**

Belle Benyasarn | The EcoChic Design Award 2015/16 finalist

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Image credit: Belle Benyasarn

SLIDESHOW:T3UC-09-2