

CO EXPO 22

# PRO Manufacturing Masterclass

## CO

How mindful manufacturing  
can reduce your carbon  
footprint, change lives, and  
keep costs down.







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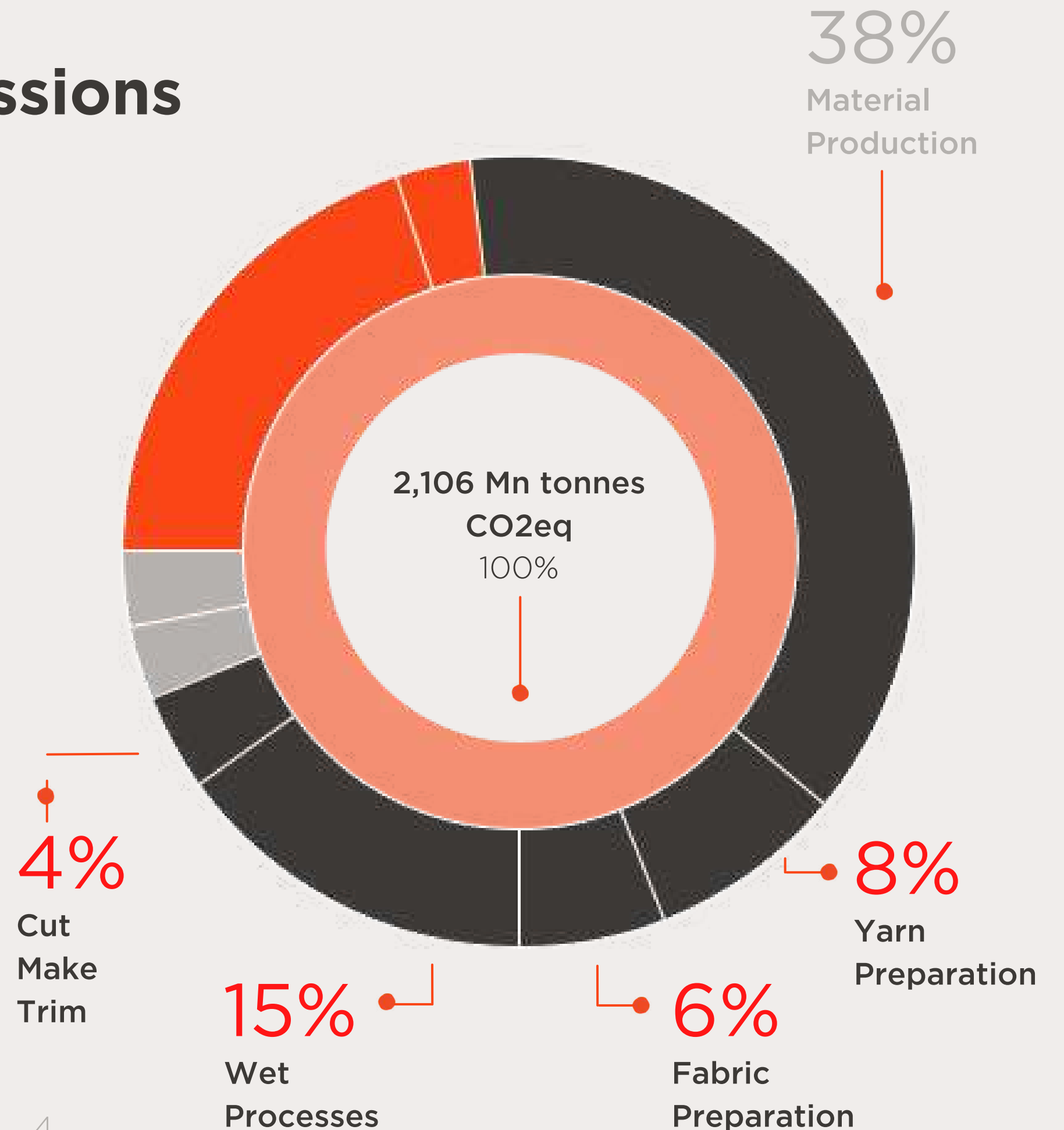
# **Fashion's Manufacturing Carbon Footprint**

# Fashion's GHG Emissions Explained

- Upstream Production
- Brand Operations
- Usage & End-of-use

Textile processing and garment manufacturing, account for 33% of fashion's annual GHG emissions. Second only to fibre production.

Source: McKinsey & Co Fashion On Climate Report, 2020



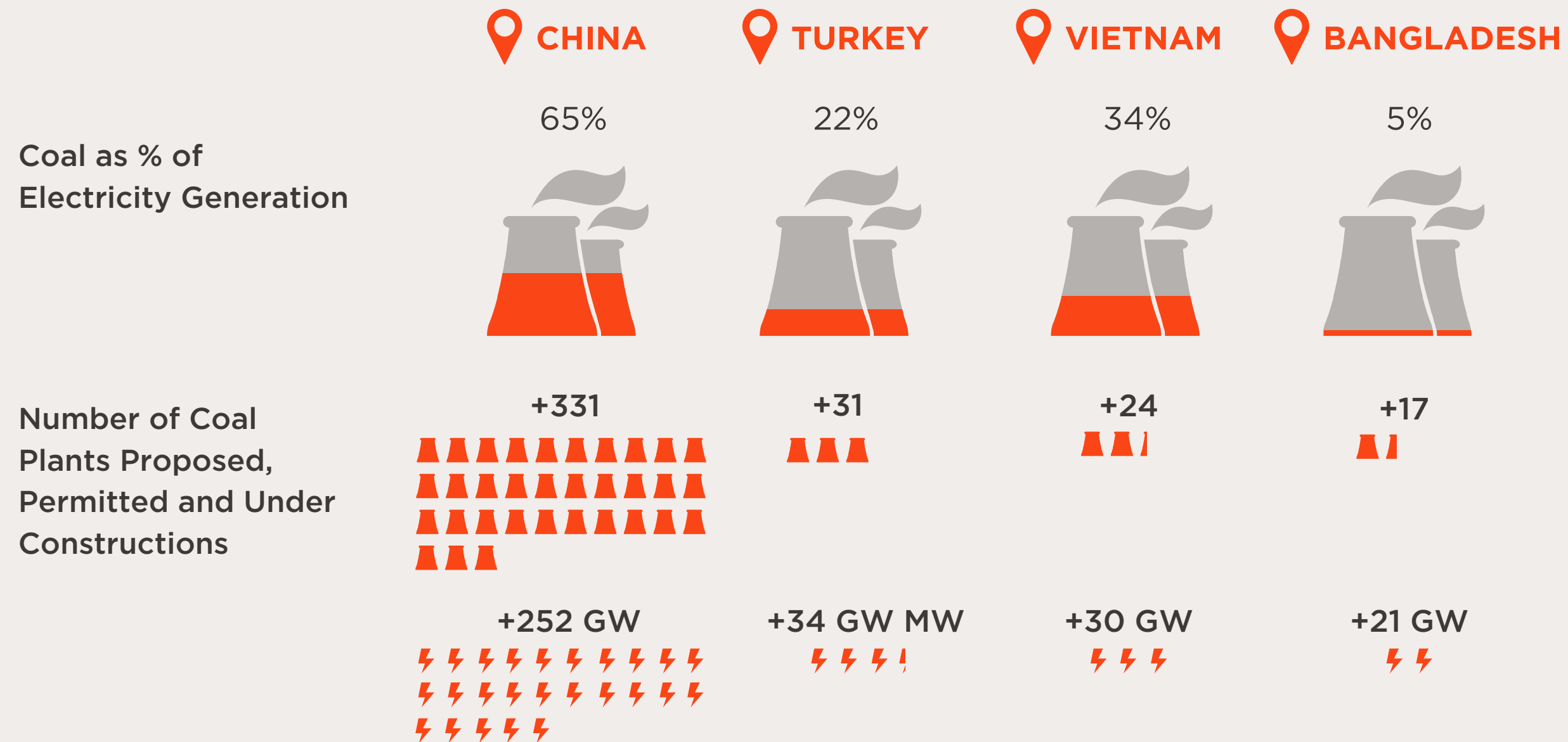
## Fossil Fuel Dependency

The largest parts of the fashion supply chain still depend on coal, one of the dirtiest forms of fossil fuel, for electricity generation and heat used in manufacturing.

Source: Stand.Earth, 2020



## ● Coal Powered



Source: Fashion Forward: A Roadmap To Fossil Free Fashion, Stand Earth, 2020

Not only are the world's largest garment producing nations reliant on coal, they also have a significant number of coal plants proposed, permitted or already under construction.

## ● Coal: fashion's dirty secret

Responsible for 46% of  
carbon dioxide emissions  
worldwide



source: End Coal, accessed 28th Feb 22

40% of the population is  
"highly vulnerable" to the  
impacts of climate change



Source: IPCC, 28th Feb 22

REMINDER: The IPCC 6th Assessment Report published this year "Any further delay in concerted global action will miss a brief and rapidly closing window to secure a liveable future."

## • Reducing Supply Chain Emissions

**Just 16% of fashion brands**  
publish **Scope 3** emissions

Source: Fashion Revolution

According to recent findings from the advocacy group Fashion Revolution, only 58% of companies surveyed publish scope 1 and scope 2 greenhouse gas emissions, and a slim 16% of those surveyed publish emissions in their supply chain (scope 3), where the vast majority of emissions lie. Source: Stand.Earth

However, the good news is there are signs of change with brands looking beyond their owned operations to address emissions within their supply chains.



## Best Practice: Levi Strauss & Co

Levi's in 2018, announced a new climate action strategy that set science based targets for reducing carbon emissions across its supply chain and own operations by 2025. They are working to an ambitious 90% reduction in greenhouse gas emissions in all owned-and-operated facilities, which they say will be achieved by investing in onsite renewable energy and energy efficiency upgrades.



Image: Levi Strauss & Co

## Best Practice: Burberry

Last year announced new targets to become climate positive by 2040 including reductions in the company's supply chain emissions to 46% by 2030.

“You can't hide behind things like offsetting; you have to make the absolute reductions.” Pam Batty, VC of Corporate Responsibility at Burberry



Image: Burberry



## Best Practice: Ganni

As reported by Vogue Business Ganni is reallocating its offsetting budget to insetting. It will work with its suppliers to identify and analyse emission hotspots and work with their partners to reduce those emissions at the source, rather than through offset projects.





- **What can brands do?: Produce Less**



**Another Tomorrow**



**Ralph Lauren**

We are seeing a move by some brands to reduce the number of SKUs. For example, Ralph Lauren is reported to have reduced its SKUs resulting in greater sell through. New York based brand Another Tomorrow is reported by Vogue Business to be using resale as a direct revenue replacement for selling stock.



- **What can brands do?: Use plant based or recycled fibres**



# Textile Production 38% GHG

McKinsey & Co Fashion On Climate Report, 2020

Textile production accounts for 38% of fashion's total annual GHG emissions with synthetics making up 62% of our fibre diet. Polyester emissions in 2015 were there equivalent to 185 coal fired power stations.

Avoiding fossil fuel fibres or using recycled fibres will help reduce emissions though the issue of microplastic shedding with rPET fibre remains a serious issue.



- **What can brands do?: Track emissions and use science based targets**



Puma is committed to SBTi approved targets

For small companies wanting to map their carbon emissions using systems that already exist such as the Higg index is key. Also look for start-ups, such as the free Normative Carbon Calculator that can help smaller businesses map their emissions without the need to pay for an expensive tool such as the SBTi.

Image: Ganni



## • What can brands do?: Support suppliers



Supporting suppliers with their transition to cleaner energy and other carbon saving initiatives through guidance, regular orders and financial backing is essential for tackling upstream emissions.

Burberry, which is slated to meet its target of becoming carbon neutral this year, has created a bespoke renewable energy guide for its Italian suppliers and also co-created a programme to create a platform for Italian manufacturers to collaborate, fund and scale environmental programmes.

Brands are also working together to share data. Gap, New Balance, Puma, Inditex and Espirit are sharing a map of their Chinese partners, revealing air pollution, soil contamination and waste water historic and real-time data.

## • What can brands do?: Advocate for change



Advocating for change at national level is the next step. A letter recently sent by Adidas, Gap, H&M, Nike and Puma to the Cambodian government expressing strong concerns over the planned tripling of coal fired power generation and the potential impact on future investment is an excellent example of the proactive advocacy needed from the fashion industry to move their supply chains off of coal.



# **Additional Resources on CO**



# Resources// Emissions



## SUSTAINABILITY ISSUES

### The Issues: Energy

To reach the Paris Climate Agreement target of holding planetary temperatures at 1.5 degrees above pre-industrial levels, the global community must achieve zero carbon emissions by 2050.



## ENVIRONMENTAL

### COP26 and the UN Fashion Industry Charter for Climate Action

COP26 saw the targets set out in the the UN Fashion Industry Charter for Climate Action ramped up, committing signatories to halving greenhouse gas emissions by 2030.



## CO DATA

### Measuring Fashion's Ecological Footprint

Fashion's ecological footprint is big. Just how big is hard to gauge but fashion is damaging the planet - right now.

**PRO**



## REPORTS & TOOLS

### Guide: How To Lower Your Climate Impact

The World Resources Institute has produced a helpful guidance document...





# Mindful Manufactures on CO

**Check out our list of suppliers on CO who are all working hard to reduce their ecological footprint**

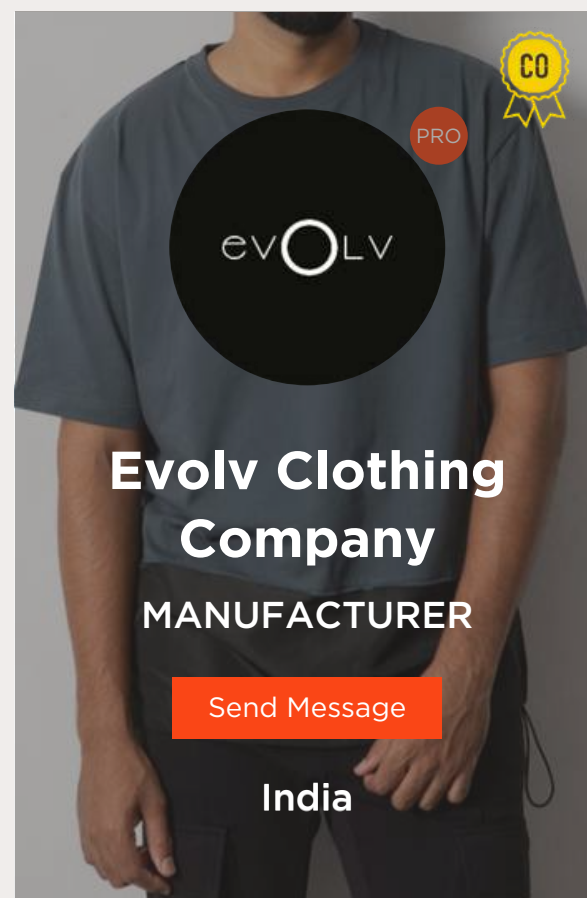




**Dibella India**  
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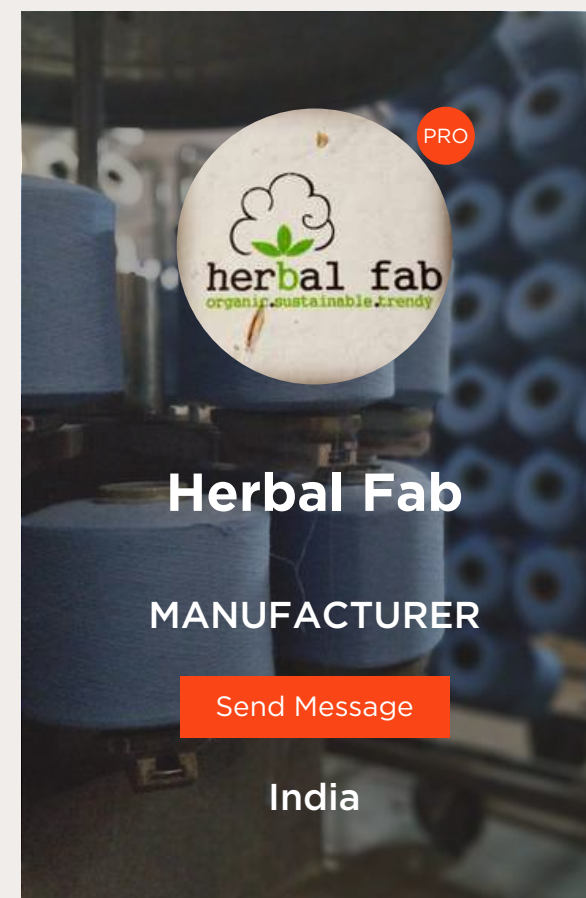
India



**Evolv Clothing Company**  
MANUFACTURER

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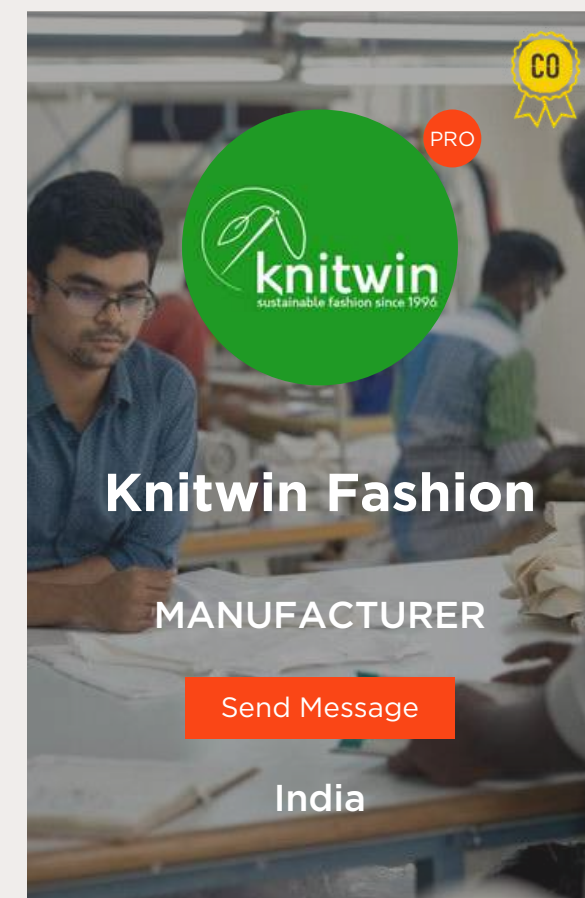
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**Herbal Fab**  
MANUFACTURER

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India



**Knitwin Fashion**  
MANUFACTURER

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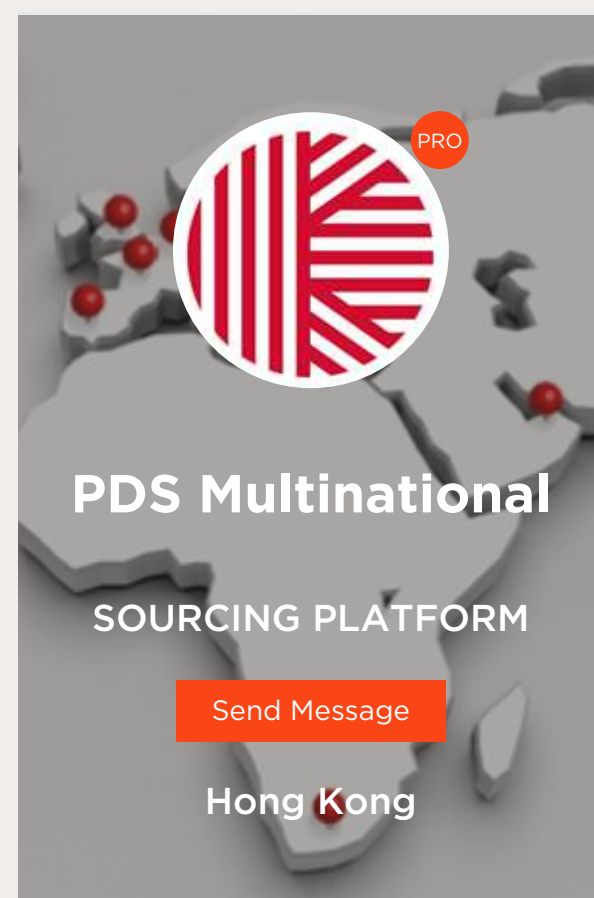
India



**Organic Cotton Colours**  
MANUFACTURER

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Spain



**PDS Multinational**  
SOURCING PLATFORM

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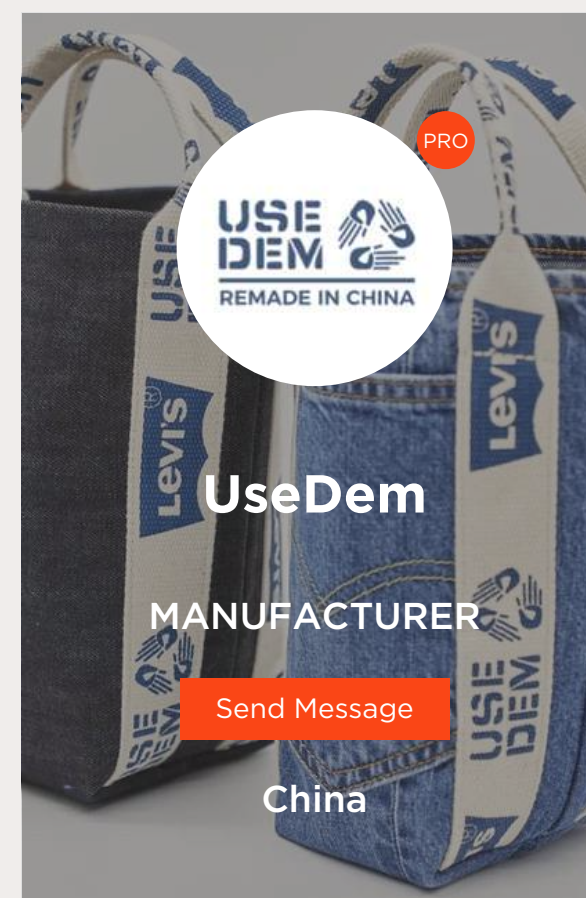
Hong Kong



**Sasha Association for Craft Producers**  
NGO

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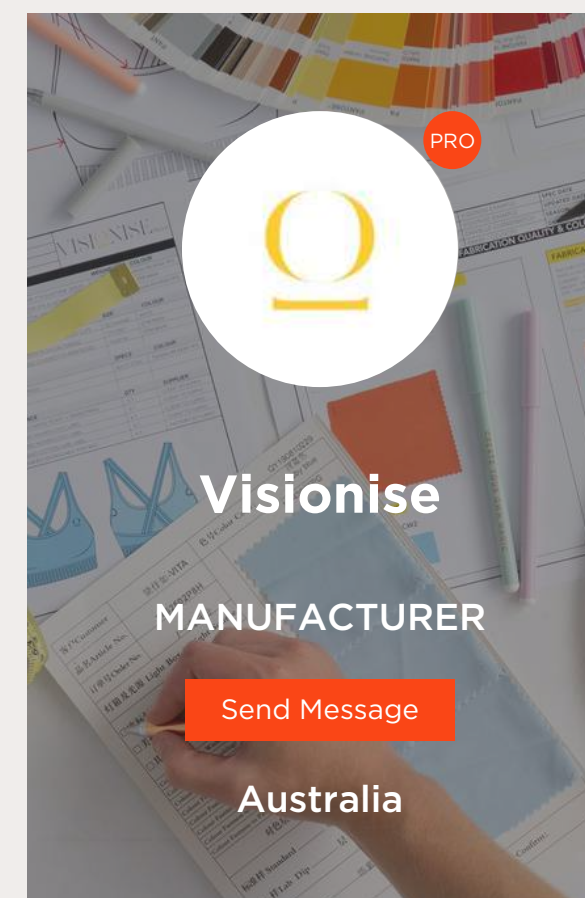
India



**UseDem**  
MANUFACTURER

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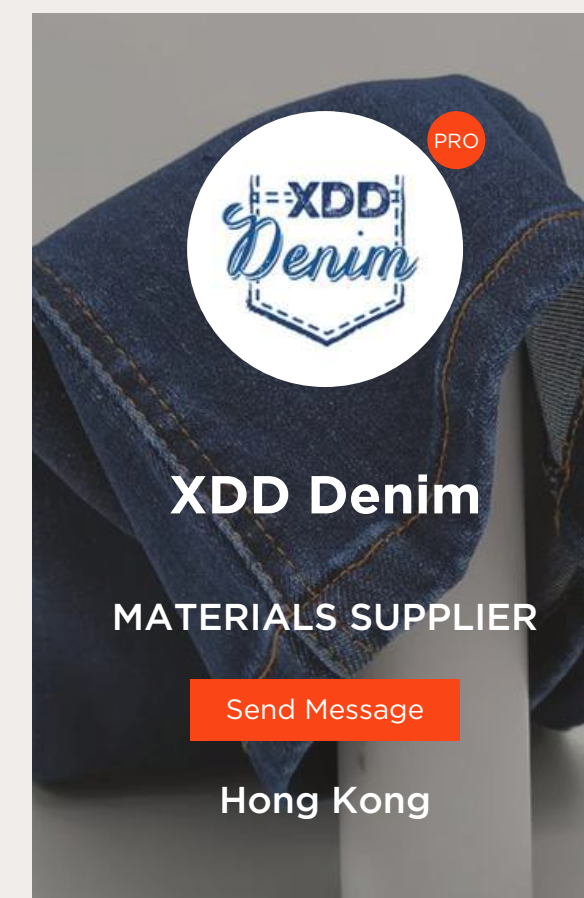
China



**Visionise**  
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Australia



**XDD Denim**  
MATERIALS SUPPLIER

Send Message

Hong Kong



# COMMON OBJECTIVE

Let's build a better fashion industry.

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