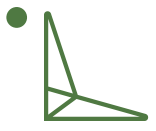




CARBON FOOTPRINT ANALYSIS



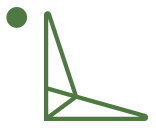
Section 1 Introduction

Section 2 Livabl Approach Towards Climate Neutrality

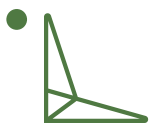
Section 3 VINO Supraja Carbon Footprint

Section 4 Carbon Offsets

Section 5 Next Steps



Introduction



About Vino Supraja

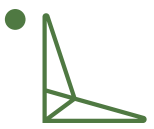
Vision: Making fashion sustainable and ethical

Sustainability is the foundation of Vino Supraja and tackling the many issues of fast fashion is our priority.

Our brand is focused on reducing textile waste and we achieve this through our commitment to recycling and designing upcycled items. The exploitation of garment workers plagues the industry and we counter this culture by ensuring that our garment workers work in good conditions for fair pay; fair pay being not a minimum wage, but a fair wage. We avoid mass production and every garment is hand-loomed and organically produced with natural fibres and pigment.



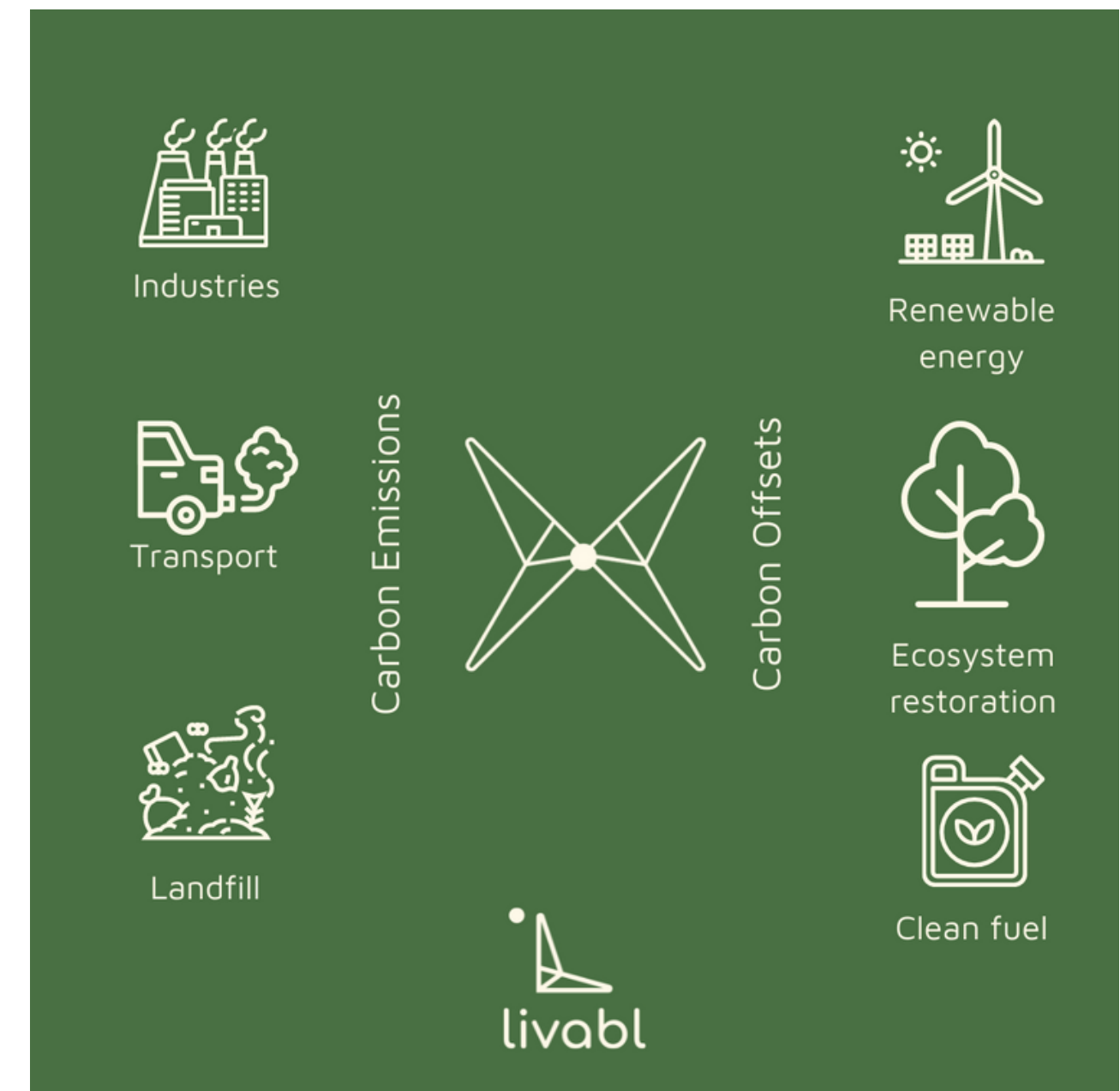
VINO SUPRAJA

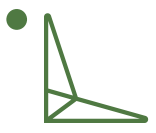


About Livabl

"We at Livabl aim to reduce and offset carbon emissions and enable companies to take sustainable action steps eventually making them become climate neutral"

We wish to reduce and offset 2 billion tonnes of Co2 by the end of this decade.



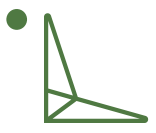


About The Project

This project is carried out to enable Vino Supraja to become climate neutral with its operations and services. By becoming a climate-neutral company, Vino Supraja, takes complete responsibility for reducing its carbon emissions while also contributing positively to the environment by restoring the ecosystem through offset projects.

For every ton of CO2 reduced and offsetted, Vino Supraja nullifies a social cost of ₹3600 for the Indian economy



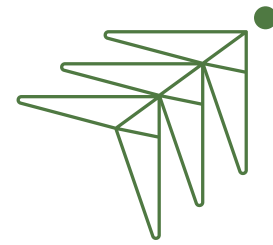


About The Document

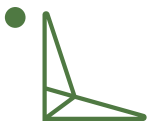
This document is to share the results of the carbon footprint analysis performed for VINO Supraja. The calculations were performed based on the data collected from VINO Supraja about their processes. The data calculation was performed in adherence to the GHG protocol.

The major areas of focus were: transportation, factory energy consumption and digital carbon footprint.





Livabl Approach Towards Climate Neutrality

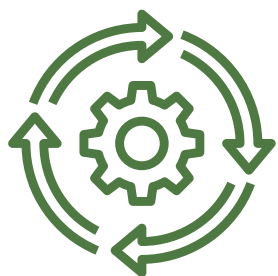


Our Process



Discover

Smallest action step with highest impact

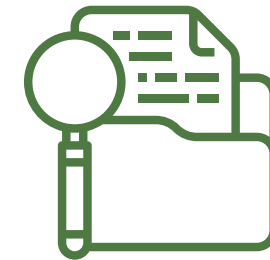


Implement

Implement action steps

Audit

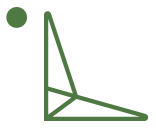
Determine the amount of carbon emissions



Define

Plan of action with the analysis



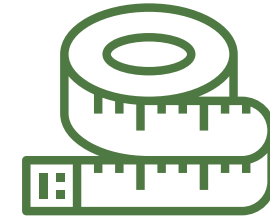


Track

Build system to continuously track the emission

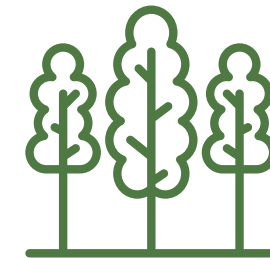
Measure

Measure the emissions reduced



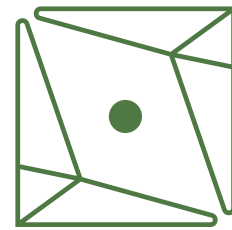
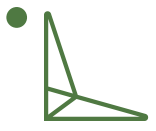
Offset

Offset emissions through restoration activities

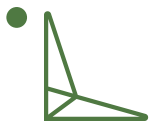


"Climate Neutral"

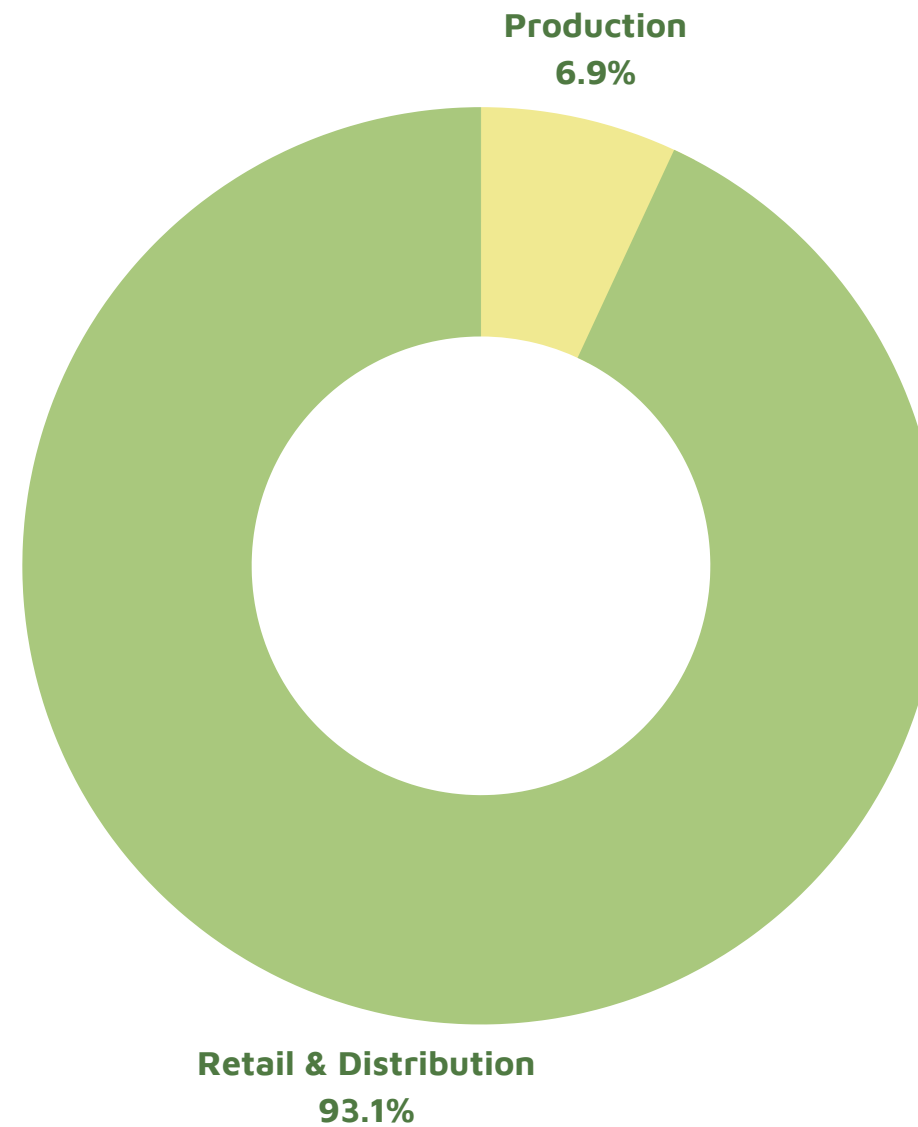




Vino Supraja Carbon Footprint

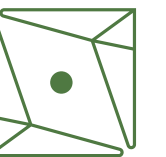


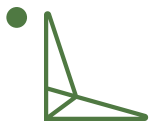
Vino Supraja's Overall Carbon Footprint



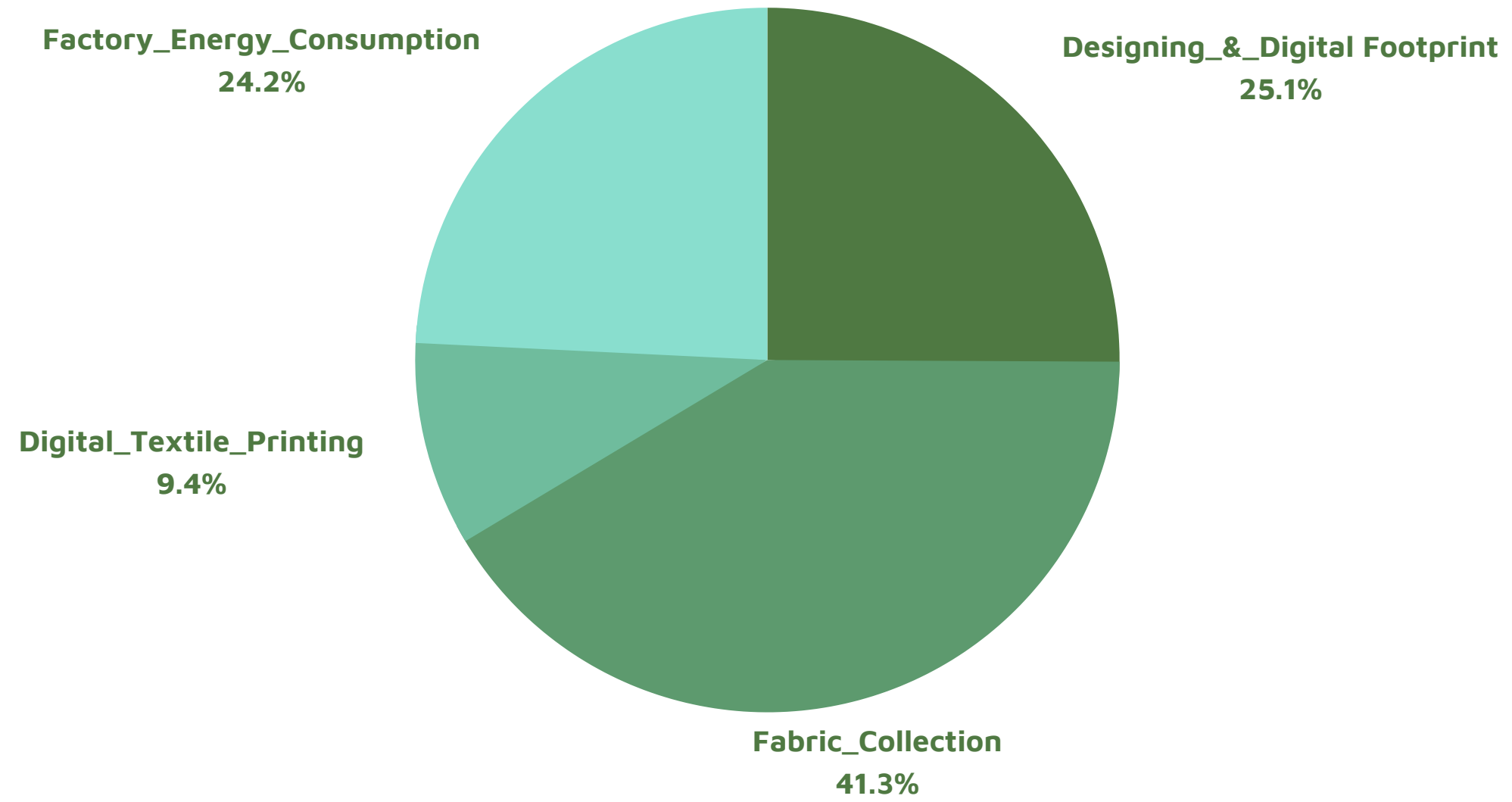
Total overall carbon footprint: **13.712 Tons**

Among the two process categories, the graph indicates a significantly higher footprint from Retail & Distribution based operations.



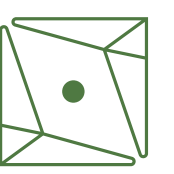


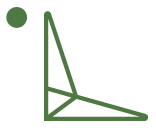
Production Overview



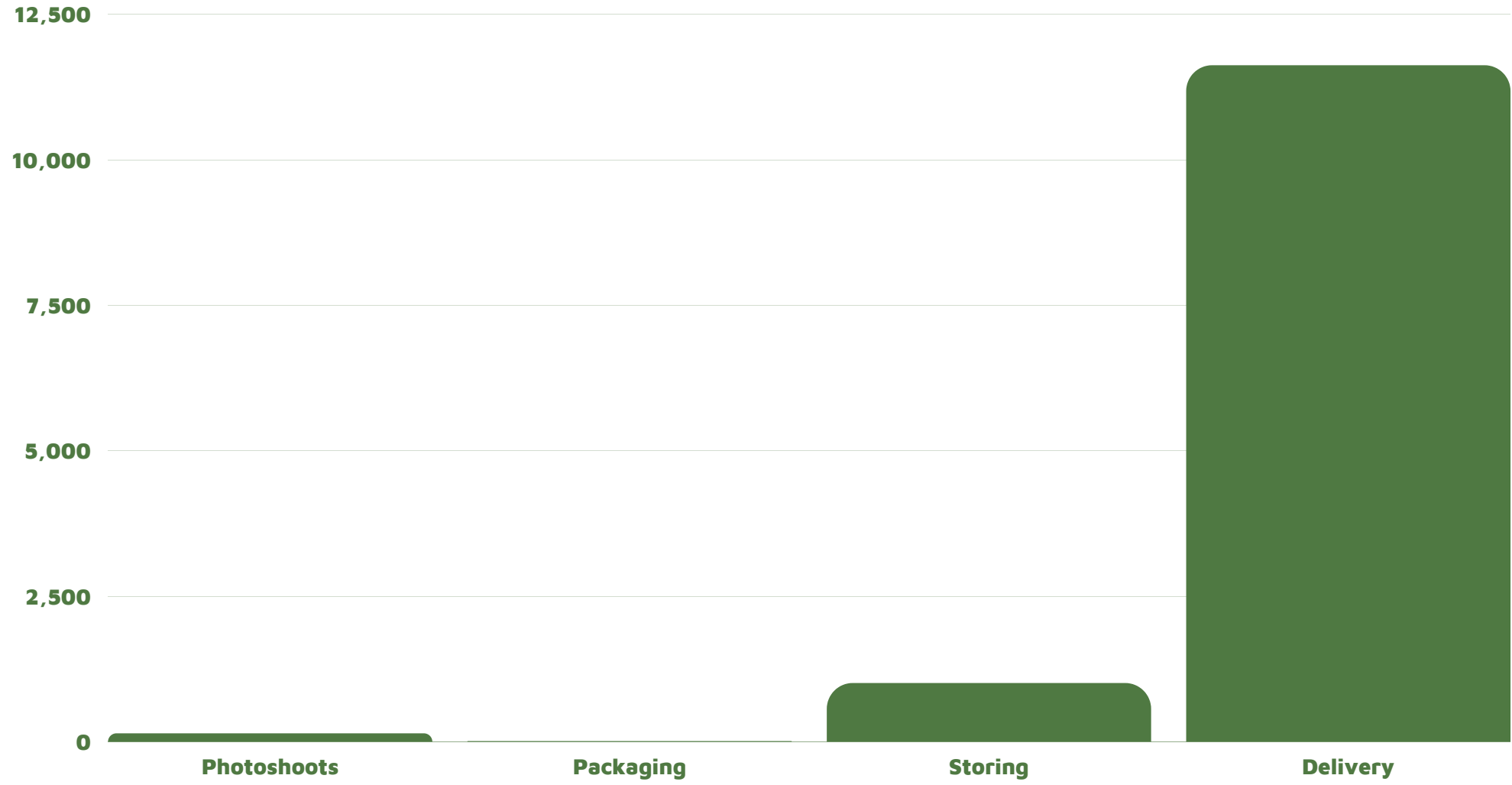
Total Production carbon footprint: **0.821 Tons**

The data indicates that the Fabric Collection subcategory has a high footprint due to the emissions from parcel services.



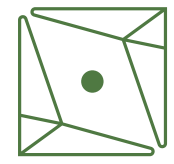


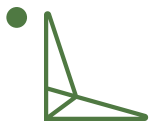
Retail & Distribution Overview



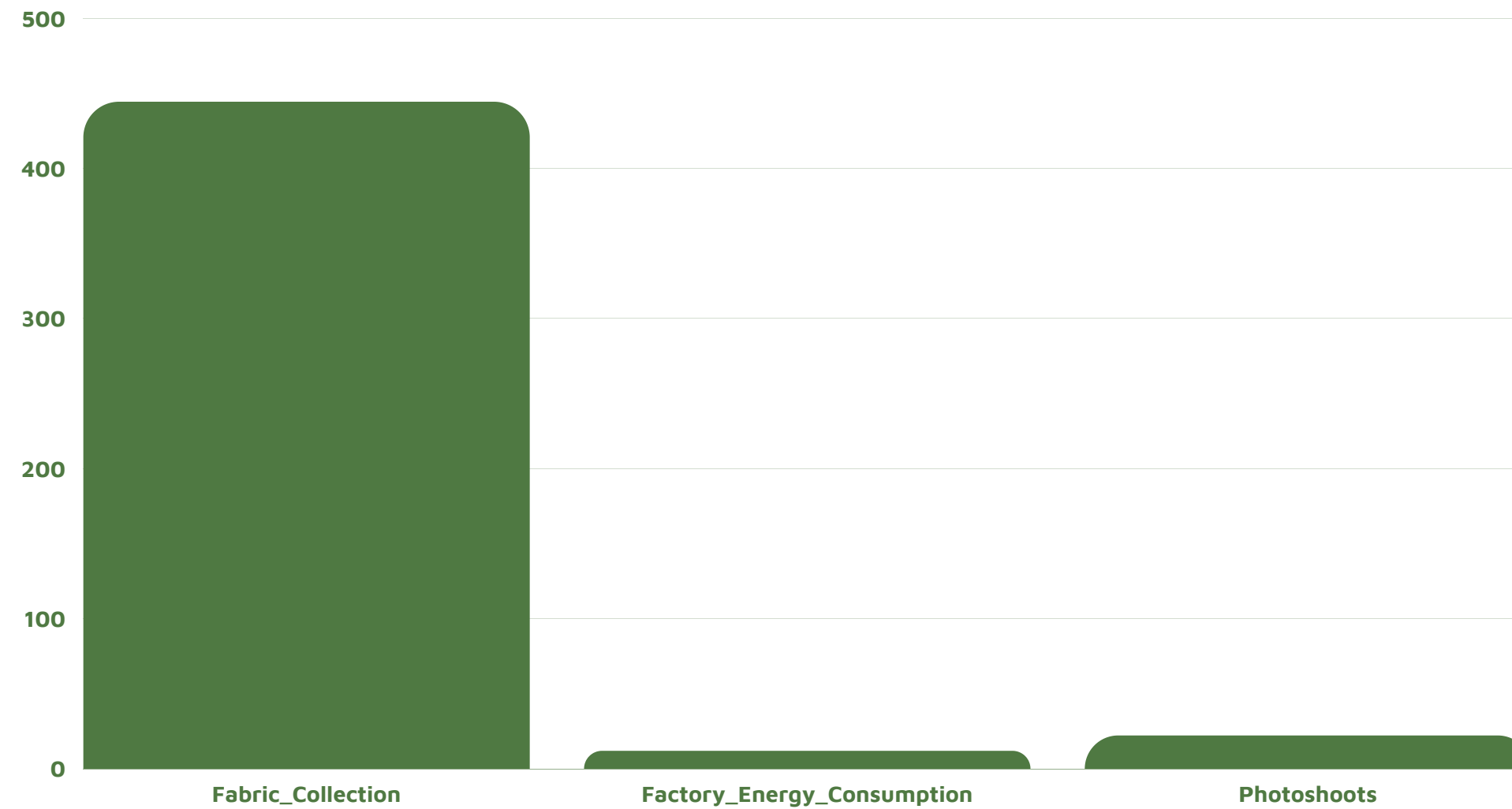
Total Retail & Distribution carbon footprint: **12.764 Tons**

Packaging footprint in the Retail & Distribution category is almost negligible (0.01%), whereas Delivery is a significant contributor in the entire process.



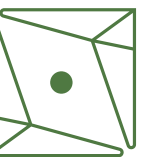


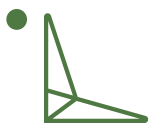
Upcycled Bags Overview



Total Upcycled Bags carbon footprint: **0.477 Tons**

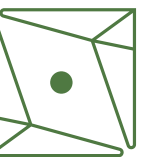
Under the Fabric Collection, process data suggests that a significant amount of emission comes from the flight journey (Gurgaon to Chennai) to transport the textile leftovers.

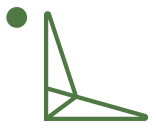




Key Insights

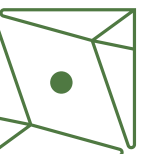
- Need for an efficient logistics plan for parcel services. Moving the garments from Chennai to Gurgaon for storage emits close to 1 Ton of carbon emissions. From the data, most of the customer delivery points are closer to Chennai.
- Activities that are unavoidable in the business process but cause significant emissions are video conferences in digital footprint and the use of the iron box, retail & distribution process etc.
- The maximum carbon footprint is through two-wheelers for transportation from the employee's side.
- Leftover garments used for upcycled bags reduced landfill carbon emission by 175 kg.

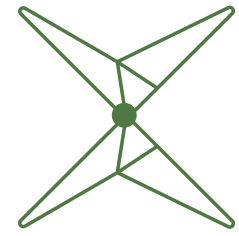
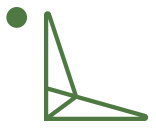




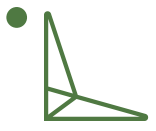
UN Sustainable Development Goals Contribution

We are committed to building a sustainable world and our vision is in line with the UN SDGs both in environmental and social aspects.



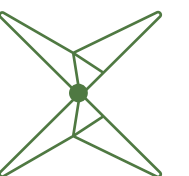


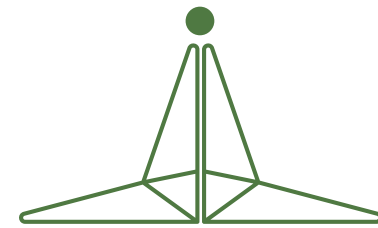
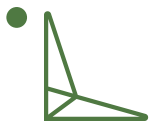
Carbon Offsets



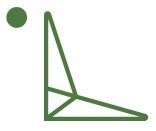
Carbon Offsets

Amount of trees needed to be planted to offset: 129 trees
(Considering they grow for at least 5 years)



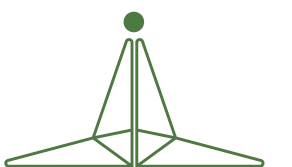


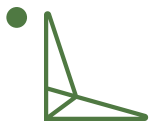
Next Steps



Next Steps

- 1) Can optimise and reduce emissions by picking an additional warehouse in Chennai. This will reduce the cost of transportation and significantly reduce carbon emissions.
- 2) Develop the system to monitor and record carbon emissions for Vino Supraja delivery.
- 3) Design and develop dashboards to launch on the websites for impact and carbon footprint reduction.





BUILDING A SUSTAINABLE FUTURE

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