



The Truth About Textiles

December 3, 2019

- ECO CULTURE MANUFACTURING
- ECOSUSTINERI-TECH
- TEXTILE RECAPTURE PROGRAM

Efforts Challenges Successes

PURPOSE

TO COMBINE FASHION, SUSTAINABILITY AND TECNOLOGY

GOVERNMENT

Data Statistics
Carbon Tax
Carbon Policy
Grants for Economic
Development



ACADEMIA

Regulations

White Papers Research Innovation Science



EcoSustineri Technologies



Garment/Accessory Factories



1) Carbon Footprint: Quantified for each garment/accessory

Factory Emissions (Cut & Sew)

Logistics (Fleet)

Air Travel

Employee Commute(s)

Textiles

2) Carbon Offsets

Renewable Energy Certificates (RECs) - U.S.

Carbon Offsets - U.S., Improved Forest Management, International REDD+, Water Restoration, Commuter Offset Bundle, Employee Water Bundle

3) Customer/Brand Profiles

Account Number

Brands Purchased / Promotions

Carbon Footprint / Carbon Offsets

4) Retailer Analytics

Carbon Footprint of each brand

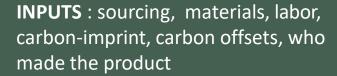
Styles

Seasons

Promotions – Offered by each brand







Carbon / Tax Credits

Regulatory Compliance

Recycling/Upcycling

Landfill Diversion

Landfill Diversion: In coordination with State and local government agencies products will utilize RFID technology to more effectively divert from landfill to recycle or upcycle at end of life.

Warranty

Lifecycle Management





Sourcing Data



Manufacturing



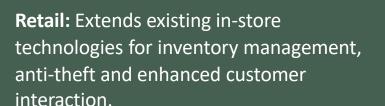
Authentication: Establish a unique identity or digital birth certificate for each individual product to guarantee authenticity from manufacture through distribution to the end consumer. (IDoT):

Risk Management

Fast Pass Transportation



Consumer Purchase

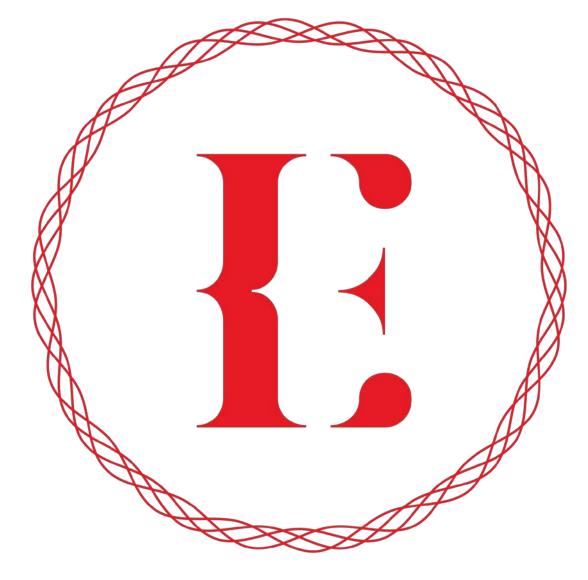


Digital Tracking: RFID technology allows for efficient tracking of each individual product from source to retailer. Rapid RFID scanning available to reduce "touching" of individual products. Block Chain based fulfillment/payment.

Inventory Management

Loss Prevention





ECOSUSTINERI TECHNOLOGIES

LIFECYCLE OF ECM FASHION - 1st GENERATION

Sourcing

Garment Factory SmarThread is born

Verification

Customer Purchases New Garment





Inputs At Factory:

Carbon Footprint Carbon Offsets Who made garment **Textiles**

Customer Registers:

By email through an app, website, retailer.

Customer can authenticate. View carbon footprint & carbon offsets.

Landfill Diversion:

Customer Returns Used Garment



Customer Returns:

Access account via app, website. Choose shipping method. Return to brand triggers a coupon, loyalty credit for their next purchase.

Recycled, Upcycled:

Brand Recycles, Upcycles Used Garments: Textile Recapture Program



Inputs From The Brand:

Returned Garment Info Recycled – S.M.A.R.T. Upcycled – Resold, Donated. Carbon Footprint

LIFECYCLE OF ECM FASHION – 2ND GENERATION

Brand Resells -Creating a Secondary Market



Brand Donates – Charities, Developing Countries Organizations



Brand Creates
Foundation (Tax
Benefit),
Environmental Profit
and Loss Reporting

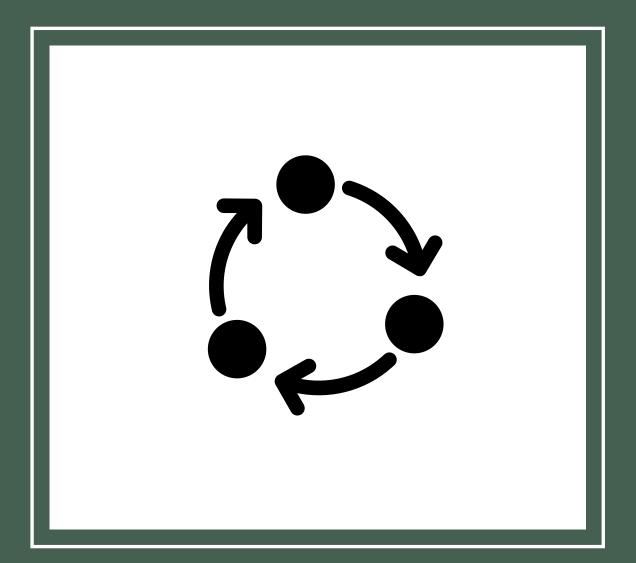
All Inputs From Ist Generation

Carbon Footprint and Life Cycle Information.

HOW DOES IT WORK?

Customers:

- 1) Register through email, app, website
- 2) Access is granted through fashion brand phone/tablet app, or fashion brand website.
- 3) Customers access their portals to send back their used garments/accessories to fashion brand that are then donated upcycled or recycled into money, green insulation, industrial cloth.
- 4) Customers are then given a discount, or preofferings on their next purchase. Loyalty Programs.
- 5) Customers can verify that their garments are sustainably made, authenticated as well as diverted from landfill.



Challenges

WHY IS IT RELEVANT
TO PLACE A
MONETARY VALUE ON
ENVIRONMENTAL
FOOTPRINT?



It allows a company to compare their environmental performance



It allows a company to internalize the negative externalities of the second most toxic process in the world...Garment manufacturing



It's a sign of transparency and innovation.

Successes

Awards

California State Assembly – Coachella Valley Women Owned Small Business Award.

County of Riverside Coachella Valley Small Business Award.

Finalist – Global Climate Summit 2019

Congressional Recognition for a Woman Owned Business 20

Coachella Valley Small Business Award

REFERENCES

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- Nielson Research . (2015). The Sustainability Imperative. Retrieved from https://www.nielsen.com/content/dam/corporate/us/en/reports-downloads/2015-reports/global-sustainability-report-oct-2015.pdf