



Redesigning a T-shirt

**GREEN LOOP
ANTALYA**

✦
Redesigning a t-shirt to be fully circular involves making it sustainable, durable, and recyclable at the end of its life.





Use sustainable fibers: Opt for organic cotton, hemp, or recycled polyester. Avoid blends that are hard to recycle, like cotton/polyester mixes.

Eco-friendly dyes: Use natural or low-impact dyes that don't harm the environment.

Circular fabrics: Look for fabrics that are designed to be fully recyclable at the end of their lifecycle, such as Tencel or fabrics made from recycled plastics.

Design for Durability

Strong stitching: Reinforce areas like seams and hems to ensure long-term use.

Timeless design: Focus on classic designs that won't fall out of fashion, encouraging long-term wear.

Modular elements: Consider detachable or replaceable parts (like collars, sleeves, etc.) that can be swapped out rather than replacing the entire t-shirt.



3. Waste Reduction During Production

Zero-waste pattern making: Use pattern-making techniques that minimize fabric waste during cutting.

Local production: To reduce the carbon footprint, source materials and produce garments locally.





4. Repairability

Easy-to-repair design: Choose designs that allow easy repairs, such as simple seams or additional patches that can be easily sewn on.

Include a care guide: Provide instructions on how to care for the fabric and repair it when necessary to extend its life.



5. End-of-Life Consideration

Take-back programs: Develop take-back program where customers can return worn-out shirts to be recycled into new products.

Recycling: Ensure that all components, such as fabric, buttons, and labels, are made of recyclable materials.



6. Sustainable Packaging

Eco-friendly packaging: Use biodegradable or recyclable materials for packaging to maintain the circularity of the product.

WHAT CAN WE DO?

1. Donate or Reuse

If the T-shirt is still in good condition:

Donate it to charities, relief centers or second-hand stores.

Turn it into cleaning rags for your home or car.

Reuse it creatively - make it into a shopping bag, a hair towel or even a pillow cover.



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2. Textile Recycling

If your t-shirt is damaged or worn out:

Look for textile recycling centers - many large clothing stores have collection programs.

Some factories process old textiles into insulation, mattress padding or new fibers.

3. Composting (for natural materials)

If your T-shirt is 100% cotton, you can cut it into small, compostable pieces as the material naturally degrades. But avoid textiles with polyester or chemical dyes.



Thank You!

