

From Sketch to Shelf:

How Technology

Enables Sustainable

Fashion



1. Design

"The clothing industry is ranked the 4th highest for its negative impact on the environment and climate change, and the 3rd highest for water and land use."

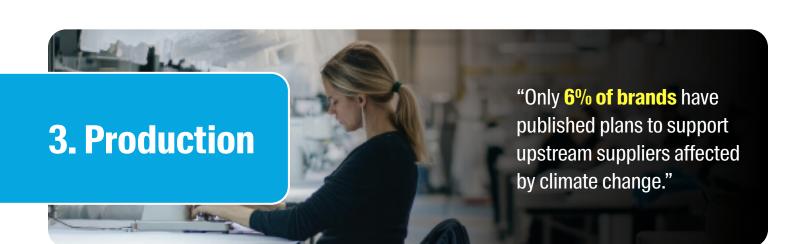
Product Lifecycle Management (PLM)

- » Reduce physical samples with igital ampling & 3D prototyping
- » Enable sustainable design by taking a design-for-circularity approach
- » Promote responsible design choices by building a sustainable material library



PLM + Enterprise Resource Planning (ERP)

- » Partner with ethical suppliers using a preferred supplier database
- » Validate material source with end-to-end traceability
- » Reduce emissions with optimized, sustainable transportation planning



ERP + Shop Floor Control (SFC)

- » Reduce energy usage with labor and machine-level efficiency tracking
- » Minimize waste and rework with real-time quality control and alerts
- » Prevent overproduction with right-sized batches and accurate WIP monitoring



» Lower emissions with optimized routes and carrier selection

- » Prevent over/understocking with real-time inventory visibility
- » Maximize shipping efficiency through load optimization and consolidation



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