
SEED ROUND

The operating system for garment carbon and cost.

ThreadPrint turns a farm-to-cradle life cycle assessment from a \$15K, six-week consulting engagement into a live, SKU-level number every designer and sourcing lead can see instantly.

Confidential — prepared for investor discussion

PROBLEM

Apparel brands are being forced to know a number they can't produce



No usable data

Fewer than 40% of major brands are on track to hit their own 2030 decarbonization targets (McKinsey, 2024) — because they can't see SKU-level impact to act on it.



Too slow to matter

A commissioned LCA takes 3–6 weeks and \$8–\$25K per collection — arrives after fiber, mill, and freight are already locked in.



Regulation has a deadline now

EU CSRD is already phasing in; the Digital Product Passport for textiles is expected to be mandatory by 2028–2029. Self-declared data won't clear audit.

The category has traceability tools that collect data, and consultancies that interpret it. **Nobody sits inside the design decision itself.**

Three curves are crossing at once



REGULATORY

ESPR's textile delegated act (2027) and CSRD reporting turn “nice to have” sustainability data into a market-access requirement, on a fixed clock.



COST

Material and freight volatility since 2022 means design and sourcing teams need a cost view alongside carbon — not two disconnected sources of truth.



TECHNICAL

LP solvers and cloud compute make it feasible to run true optimization per SKU, in-browser, in seconds — not a batch job a consultancy runs once.

SOLUTION

A live number, not a report

ThreadPrint is a SaaS platform that sits inside the design and sourcing workflow — not after it.



Assess

6-stage farm-to-cradle LCA, TRACI 2.1 aligned.
Seconds, not weeks.



Optimize

Genuine LP solver — best-achievable recipe
for carbon or cost.



Report

Portfolio rollups, audit trail, DPP/CSRD-ready
export.

6-36 weeks → seconds. \$8-25K per collection → a subscription. One-time snapshot → every SKU, every season.

This is a working product, not a concept

Everything below is built and running end-to-end today — not mocked up for this deck. The worked numbers on the next two slides come from the live engine, not a projection.



6-stage LCA engine

Farm, mill, cut & sew, distribution, use, end of life — TRACI 2.1 aligned, running against a 33-fiber / 9-region / 4-freight-mode / 4-route factor library



Parallel cost model

Independent USD cost calculation at every stage — brand COGS vs. consumer use-phase, split out and computed from the same spec



ISO-aligned methodology

5 ISO standards (14040, 14044, 14067, 14025, 14021) mapped directly to the calculation engine — a live in-app Methodology tab, not a claims page, with per-standard alignment notes on every assessment



LP-based optimizer

Real simplex solver (not a heuristic) for fiber-blend selection, plus exact enumeration across every other stage — solves for carbon or landed cost



Multi-tenant SaaS platform

JWT-authenticated, tiered subscriptions (Studio / House / Maison), brand-level supplier data overrides, portfolio dashboard



Automated end-to-end test suite

Signup → create SKU → assess → optimize → dashboard, exercised automatically on every change — engineering discipline, not a demo script

Built solo by the founder, end to end — this raise is to build the team around a product that already works, not to build the product.

The optimizer is the hard part — and the defensible part

Fiber-blend selection is modeled as a linear program (lockable, bounded, category-constrained) solved with a real simplex solver. Every other lever — mill region, process intensity, freight mode, care cycle, end-of-life routing — is exactly enumerated. Because none of these decision spaces interact, solving each independently and summing is provably the global optimum, not a local nudge.



Dual-objective: optimize for carbon or for landed cost — competitors show carbon only



Respects real-world constraints: supplier contracts, recycled-content minimums, category caps



Cost model is independent of the carbon model — exposes trade-offs competitors can't show

WHY THIS IS HARD TO COPY



A correct LCA methodology takes years of domain calibration to get right (TRACI alignment, stage boundaries, data-quality tiers)



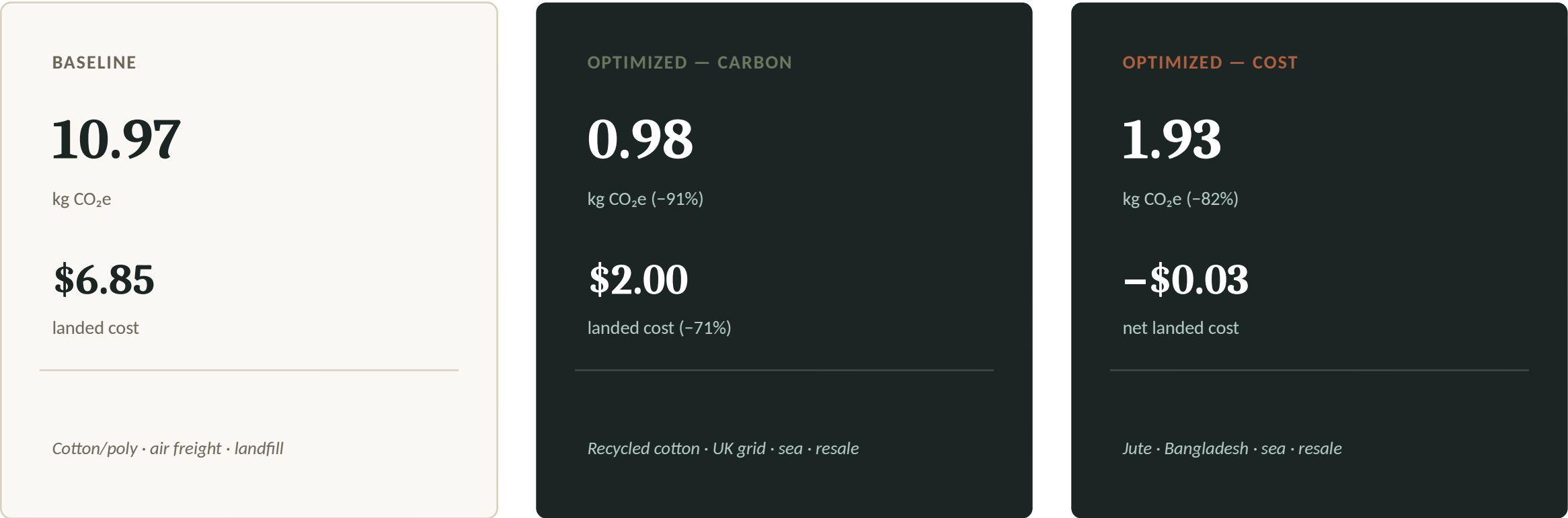
A real optimizer — not a heuristic — requires the LCA engine to be built as pure, composable functions from day one



Brand-specific supplier overrides create switching cost once a brand's real data lives in the platform

One SKU — what the solver actually finds

60/40 cotton-poly tee, heavy processing, air freight, hot wash, landfill — baseline vs. two different optimizer objectives



Carbon-optimal and cost-optimal recipes disagree on fiber and region — which is exactly the decision a brand needs help making, and exactly what a static scorecard can't show.

A real category, with a real gap in it

Worldly (formerly the Higg Index) is the de facto industry benchmark. Carbonfact and Made2Flow / Fairly Made are newer apparel-specific platforms automating footprint data from PLM/ERP and supplier networks. None of them optimize — they measure and report.

Capability	Worldly (Higg Index)	Carbonfact	Made2Flow / Fairly Made	ThreadPrint
Apparel-specific	Yes	Yes	Yes	Yes
Granularity	Survey-based (Product Module)	PO / PLM data-driven	Supplier- verified data	Spec-driven, PLM-independent
Constrained optimization	Not offered	Scenario simulation	Not offered	LP solver + exact search
Parallel cost model	Not offered	Not offered	Not offered	Yes — independent of carbon model
DPP / CSRD export	Yes	Yes	Yes (FR AGECS- specific)	Yes
Primary strength	Industry-standard benchmarking	PLM/ERP data automation at scale	Verified supplier network, EU compliance	Optimization + cost trade-off visibility

Based on public product information as of 2026 — verify current feature sets directly before citing to investors; competitor platforms ship new capabilities continuously.

Land on a collection, expand to the portfolio

Studio

\$490/mo

25 SKUs · core LCA + optimizer

Entry point for independent brands

House

\$2,400/mo

400 SKUs · supplier overrides · portfolio dashboard

Primary expansion tier

Maison

Custom

Unlimited · dedicated onboarding · integrations

Enterprise / multi-brand groups



Land

Single-collection pilot with sustainability or design leadership
— 90 days to portfolio-wide value



Expand

SKU volume and supplier-override needs naturally pull Studio
→ House → Maison as a brand's catalog grows



Compound

Multi-brand holding groups become a single Maison contract
spanning every house they own

MARKET

A \$2.37T industry, forced onto a compliance clock

TAM

\$2.37T

Global apparel market by 2030 (8% CAGR) — every brand in it will eventually need SKU-level environmental data.

SAM

~65,000

Apparel & footwear brands worldwide with the revenue scale (~\$5M+) to need and afford dedicated LCA software.

SOM (5-yr)

~3,200

Independent & luxury brands reachable through a direct, design-led sales motion — our initial beachhead.

SOM built bottom-up: brands × realistic Studio/House mix — not a third-party market-report figure. Source for TAM: industry apparel-market growth estimates (8% CAGR to 2030).

Start where decisions are fastest and margins are highest

Phase 1	Independent & luxury brands	Small teams, single decision-maker, high sustainability motivation, fast pilot-to-contract cycle. Design partners for the product.
Phase 2	Mid-market multi-brand groups	House tier, supplier overrides become the wedge — brands with real supplier relationships want their own verified data in the system.
Phase 3	Enterprise & holding companies	Maison tier — portfolio dashboard becomes the board-reporting layer across every house in a group.

Channel: direct sales to sustainability/design leadership, supported by content that speaks to the DPP/CSRD deadline — not a marketplace or self-serve motion at this stage.

Pre-revenue, with the product risk already retired



Methodology validated

TRACI 2.1 and ISO 14040/14044/14067-aligned calculations, tested against a 33-fiber / 9-region factor library with documented, reproducible worked examples — not a black box.



Pipeline in motion

Pilot conversations underway with independent and mid-market brands — this raise funds the team to convert and support them at scale.



What's left is go-to-market, not engineering

The hard technical bet — a real optimizer, not a heuristic — is already built and demoable. This round buys distribution, not R&D risk.

We're raising to convert pipeline into paying pilots and build the sales/CS motion around a product that already works — not to build the core engine.

Built by someone who's shipped enterprise data systems for 15 years



Founder

*Principal Consultant, Data & Enterprise
Transformation*

15+ years in enterprise data analytics and engineering, including 10+ years in retail consulting across sourcing, merchandising, supply chain, and store operations

Why this founder, this problem



Hands-on across the exact stack ThreadPrint is built on — data engineering, Python, SQL, cloud data platforms (Azure, Snowflake, Databricks)



Built ThreadPrint's LCA engine, LP optimizer, and cost model personally — the technical moat isn't outsourced or theoretical



That's the same day-to-day world ThreadPrint's design and sourcing users operate in — built by someone who's sat in those functions, not a data-science project bolted onto fashion from outside



Hiring plan: founding engineer + first sales/CS hire in the first 6 months post-raise, both scoped in the use-of-funds on the next slide

THE ASK

Raising **\$1.5M** seed

Illustrative target — sized to a bottom-up 18-month plan below; adjust to the round we finalize with lead investors.



Product & engineering — 45%

Founding engineer + design; expand factor library depth, supplier-integration APIs, DPP export tooling



Go-to-market — 35%

First sales/CS hire; convert pilot pipeline; content and partnerships around the CSRD/DPP compliance window



Compliance & data — 20%

Third-party methodology review, expanded verified factor partnerships, security/compliance certifications

18-month milestone: convert pilot pipeline to 15–20 paying House/Studio accounts, validate the land-and-expand motion, and be Series-A ready on the strength of usage data — not just a roadmap.

Every garment should know its own footprint.

ThreadPrint — the engine underneath every future sourcing decision the apparel industry makes.

hello@threadprint.io · threadprint.io