



Organic Steel®

Industrial Transition Accelerator

Experience a revolutionary approach with the Organic Steel® Industrial Transition Accelerator programme, designed to ignite innovation, save on material costs, enable systemic transformation, drive scalability, and align with climate goals. Every detail is tailored to optimize funding approval potential and maximize profitability for manufacturers.

Vision

Empowering Industry to Leap from Carbon-Heavy to Carbon-Negative

The Organic Steel® Industrial Transition Accelerator (OSA) aims to transform carbon-heavy industries. We facilitate a leap towards carbon-negative production while lowering production costs, saving on raw materials, reducing dependency on volatile commodity markets, and enhancing ESG-driven revenue stream.



Purpose

We empower visionary entrepreneurs to transform industry with cutting-edge, eco-friendly solutions that are redefining what's possible. We help hardware innovators replace carbon-heavy materials with hemp steel.

Our goal is to create recyclable, sustainable solutions for mainstream industry.

Why OSA?

- ❑ Eco-shift that delivers ROI
- ❑ Sustainability with financial gain
- ❑ Market gap in cost-effective green composites

Stats

- ❑ Hemp steel reduces CO₂ emissions by 45%
- ❑ Circular material market: €120B+ by 2030.
- ❑ Hemp steel enables manufacturers to reduce material cost up to 30%.
- ❑ Gain ESG-linked procurement & save on carbon credits.



Vision & Strategic Focus

■ Mission

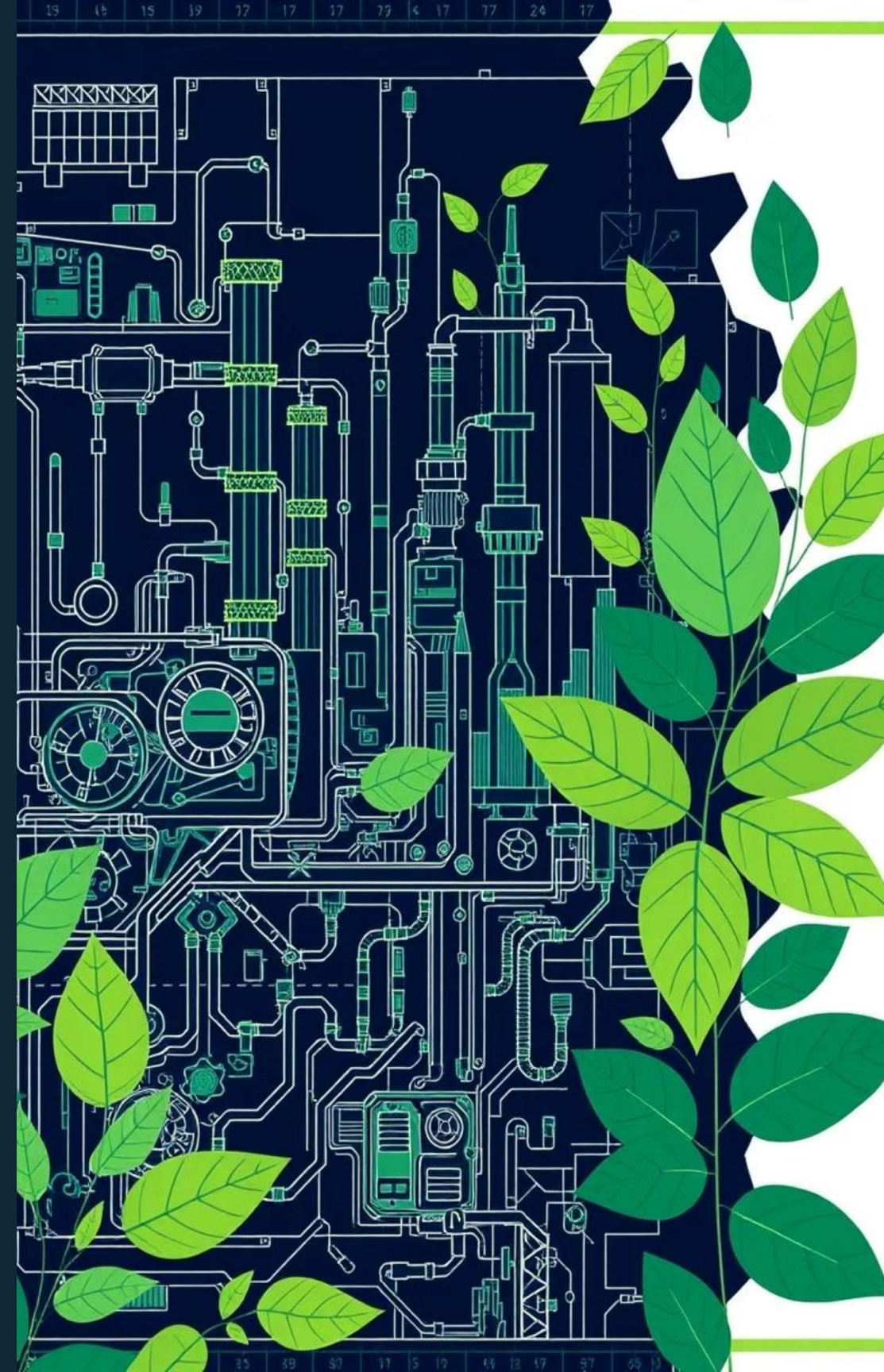
Catalyze transition to scalable, hemp-based organic composites. Unlock net-zero pathways through circular, nature-based innovation.

■ Strategic Objective

Empower manufacturers to redesign products with OSA. Progress innovations from TRL 1 to TRL 9 for market-ready, carbon-negative products.

■ Programme Scope

A decarbonization transition lab for established businesses. We transfer material science, AI tooling, and regenerative design capacity.



Industry Prioritization & Entry Criteria

Target Industry Segments

Generally materials

- EV's, AV's, e-bikes
- Generally construction industry
- Furniture, pallet & packaging solutions
- Modular, cladding, and prefabricated panel systems

Pre-Qualification Filters

- Demonstrated product-market fit
- High potential for composite substitution
- Readiness to co-invest in prototyping
- Commitment to carbon reduction or ESG compliance

Acceleration Framework

Phase 1

Diagnostic & Blueprint

Audit materials, baseline carbon footprint, create hemp integration roadmap.

Phase 2

Knowledge Transfer

Modules on composite science, Modular factory deployment, AI optimization, and certification.

Phase 3

Prototyping

Co-develop 1-2 products with engineering support, TRL 1-6 tracking.

Phase 4

Certification

CE/ISO testing and independent validation, TRL 7-9 pathways.

Phase 5

Go-To-Market

Designs your IP, possible Co-branding, joint campaigns, OEM licensing, revenue-sharing, or JV agreement.

Programme Unique Value Propositions



AI-Powered Optimizer

Tailors materials for client specs, optimizing lifecycle, cost, and durability.



Carbon Sequestration

Generate tradable carbon credits via CCS blockchain verification.



OnePress™ Modular factories

Plug-and-produce solution for agile, localized manufacturing.



Funding Access

Strategic connections initiated via EIT, MassChallenge, & other EU innovation pathways including Green Deal Innovation Fund.



Ecosystem Integration

Seamless compatibility with B2B platforms for rapid scaling.

Manufacturer Gains & KPIs

■ Cost Savings

Up to 30% reduction on materials.

■ Premium Pricing

Achieve higher prices through ESG branding.

■ Lower Carbon Liability

Reduced carbon tax and credit obligations.

■ Reduced Waste

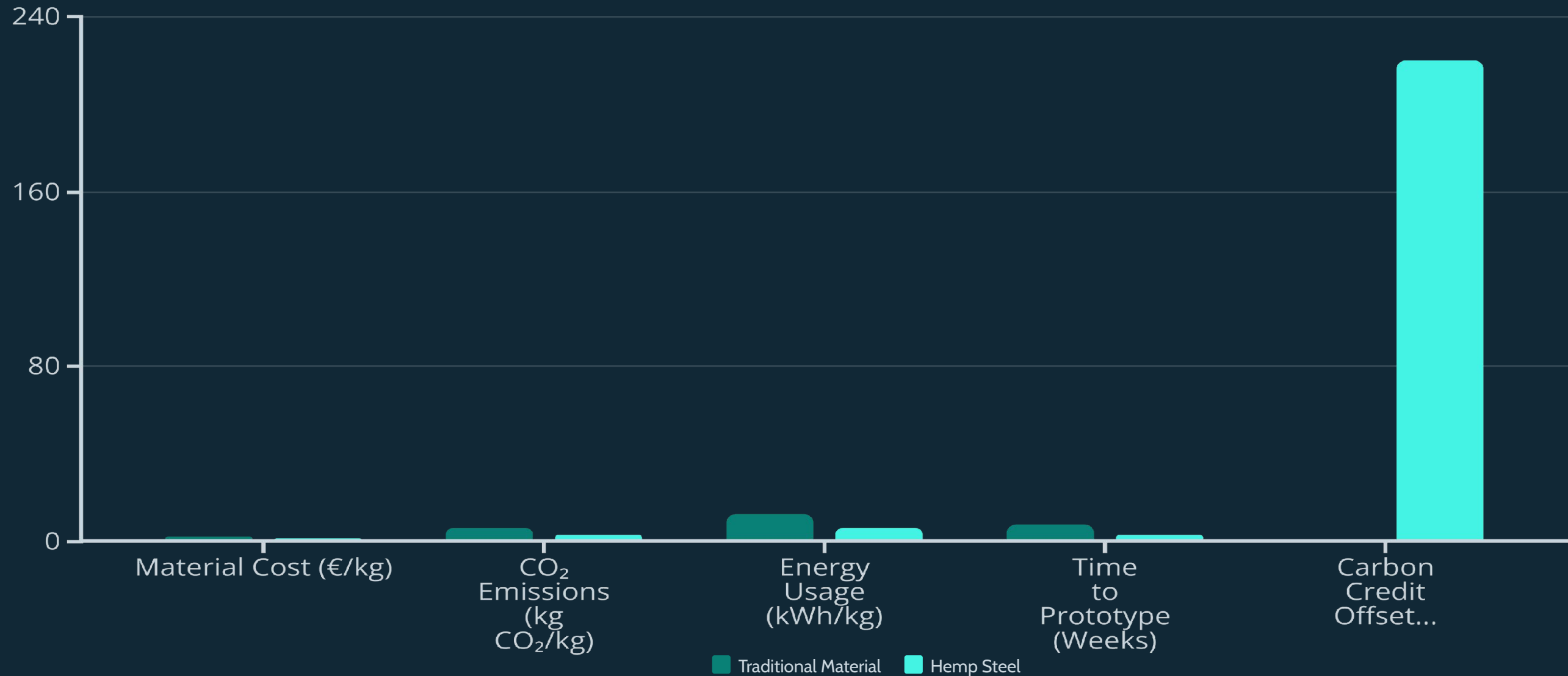
Minimised production waste.

■ Faster Development

Quicker product development cycles due to modular prototyping.

Quantified Gains from Transitioning to Hemp Steel

Cost Efficiency + ESG Advantage = Higher Margins & Faster Market Access



Values based on internal benchmarks and EU industrial data (2024–2025).





Why Fund This Now?



Hemp Composites Ready

Proven, regenerative, and cost-competitive for scale.



Unique Programme

Focuses on bridging traditional industries to carbon-negative production.



Organic Steel® Advantage

Owens tech and toolkit: materials, AI, training, certification.



Decarbonize Europe

Enable compliance with EU climate regulations, including Fit for 55 and the Green Deal.

Partners & EU Funding Programs

Leverage European funding for financial backing, expert training, and connections to drive your growth.



Erasmus for Young Entrepreneurs

1000 € /month for 6 months. Living cost + EU cross collaboration.

EIT DeepTech Courses

Curriculum enhancement, EU certification. Industrial application, space and aerospace

LIIA Innovation Vouchers

EU funding via Latvian vouchers. Startup prototyping. OSA as service provider.

Accelator24 Program

Potential €100K per selected startup.

F6.com Integration

Launching on www.F6.com, Visibility access to 4M+startup. Apply now

<https://www.eitdeeptechtalent.eu/the-pledge/meet-the-pledgers/organic-steel-ou/>

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