

Organic Steel®: Stronger. Lighter. Greener. Organic Steel® for Architects & Engineers

AI-Optimized Sustainable Materials for the Future of Industry.



ORGANIC STEEL

3.4.2025

- High-Strength, Lightweight, and Eco-Friendly
- Positioned to Replace Steel, Aluminum, and Composites Globally



Our Vision

- We empower architects and engineers with next-generation, carbon-negative materials that combine superior strength, workability, and sustainability.
- Designed for high-performance buildings, facades, bridges, and modular structures.
- Pioneer the industrial decarbonization movement
- Develop key partnerships with governments & corporations to drive sustainability



The Problem statement

- 50% of CO₂ comes from manufacturing and production will double by 2050
- Lack of eco-friendly high-strength alternatives to steel & concrete.
- Heavyweight materials increase project costs & logistical complexity
- New EU Carbon Neutrality 2035 regulations demand lower-emission materials, but alternatives are limited.



On April 10, 2024, Simon Stiell, head of the United Nations Climate Agency, warned that [humanity has only two years left to take decisive action to save the planet.](#)

He emphasized the urgent need for drastic emissions reductions and climate-focused financial strategies.

Our Solution

- **High-Strength, Carbon-Negative Material** adaptable across multiple industries
- **Load-bearing, CNC-optimized for modular designs.**
- **Precision-cuttable for seamless integration into architectural workflows**
- **Up to 30% lighter than steel, reducing transportation & installation costs.**
- **AI-Driven Optimization** converts waste into industrial components
- **Lower Energy Consumption & CO₂ Footprint vs. steel/aluminum**



Why Now

Regulations and markets are shifting fast toward sustainability

- **High-Strength, Carbon-Negative Material** adaptable across multiple industries
- **AI-Driven Optimization** converts waste into industrial components
- Up to **532% better CO₂ footprint** and lower energy consumption compared to steel and aluminum
- **Modular Manufacturing** reduces emissions & logistics costs



Manufacturing is not just a big polluter, it's half of all emissions today, and is expected to double its output by 2050, requiring rapid material innovation.

Industrial emissions must be reduced by 50% by 2030

Market Opportunity

TAM

(Total Addressable Market)

2.5 trillion €'s

(Industrial Materials Market, including Steel, Aluminum, and Sustainable Composites)

SAM

(Serviceable Available Market)

400 billion €'s

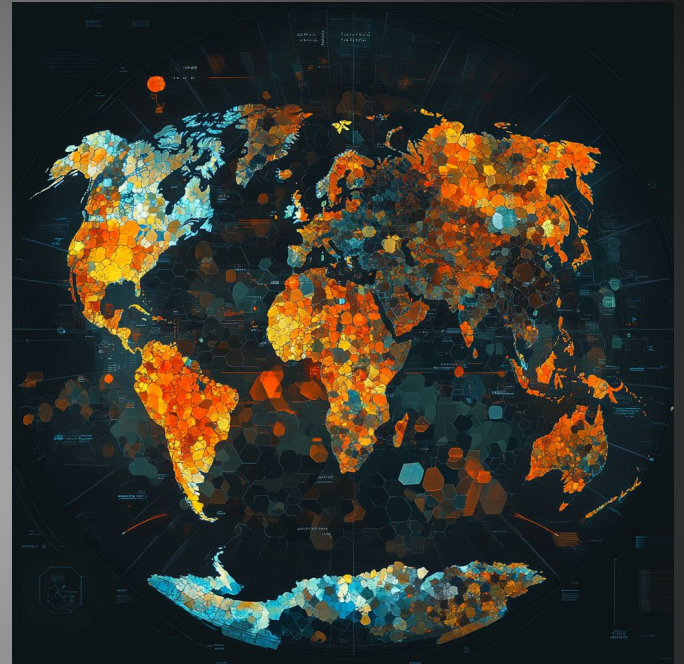
(Sustainable Construction, Automotive, Aerospace & Manufacturing Materials)

SOM

(Serviceable Obtainable Market)

15 billion €'s

(Organic Steel®'s Initial 5-Year Market Penetration)



Expanding Industry Adoption

- ◆ Sustainable Aviation Fuel (SAF) Market Entry – Organic Steel® is negotiating an exclusive partnership with Hemp Innovation Japan to integrate carbon-negative materials into next-gen aerospace and aviation fuel infrastructure.
- ◆ SAF industry expected to reach €100B+ by 2035, positioning Organic Steel® as a pioneer in sustainable aviation materials.

Why Architects & Engineers Should Pilot Organic Steel®

Pilot Projects Available.

Be Among the First to Build With Organic Steel®!

Early Adopter Benefits:

- First access to new materials.
- Special pricing & custom formulations.
- Co-branding & publicity for sustainable projects.

Applications for Pilots:

- High-performance facades & paneling.
- Sustainable bridges & modular structures.
- Load-bearing elements for eco-construction and manufacturing industries.



Products

- **Organic Steel® Products:** Plates, Modular Components, Hybrid Composites
- **Competitive Advantages:**
 - **Carbon-Negative Production** (CO₂ Sequestration)
 - **Malta-Based Patents & IP Control**
 - **Structural Panels:** Load-bearing, CNC-optimized for modular designs. (Superior Strength-to-Weight Ratio)
 - **Hybrid Composites:** Ideal for prefabricated components, facades, and cladding systems.
 - **Customizable Strength & Flexibility:** AI-driven material optimization for specific project needs.

Business Model

Revenue Streams:

- **Direct Sales & Custom Orders for Engineering Firms & Architects:**

Construction, Automotive, Aerospace, Advanced Manufacturing

- **AI-Powered SaaS:**

Subscription Model for AI-Powered Material Optimization (SaaS for Engineers)

- **Pilot Projects & Prototyping:**

Partnering with early adopters

Low-Cost Entry for First-Time Users.

- **Carbon Credit Monetization:**

B2B partnerships for certified offsets

- **OEM Licensing & Supply Chain Integration**



By Year 5, AI-driven licensing is projected to contribute 40% of revenue, reducing dependency on direct material sales.

Competitive Analysis

- ✓ **Steel:** Heavy, high emissions, expensive to transport.
- ✓ **Concrete:** High carbon footprint, brittle, limited in modular applications.
- ✓ **Organic Steel®:** Lightweight, high-strength, precision-cuttable, modular, recyclable.
- ✓ **Key Differentiation:**
AI-driven customization, modular production, freight-efficient processing, and carbon-negative lifecycle.



Unlike traditional steel & aluminum industries, Organic Steel® actively supports key UN SDGs, giving us a market advantage as industries seek sustainable alternatives.



Team, Our team consists of experienced leaders in material science, AI, and sustainable innovation, dedicated to reshaping industry standards.

Engr Saad Younas
Mechanical engineer
Focused on R&D
for materials innovation



Tatu Luuk
CEO
Expert in sustainable
materials and global
Business



Nik Tomazic
AI-lead
expert coder



Alexander Borg
Malta Manager
Expert, Mentor, Adviser
startups & SME's



Reino Kokkonen
SAF Sales Manager
Fuel Oil Expert
30 year experience



Muhhammed Zubair
HR Manager
Workforce scaling



39 subcontractors
Reserve resources
Experts in their fields



Adeel Hussain
CFO, 15+ years in
financial strategy



Kenneth Robichaud
Growth Expert
Scaling sustainability



Roadmap & Growth Strategy

- **Q2 2025:**
First architectural & engineering pilots in Europe.
- **Q3 2025:**
CE-certified & ISO-approved materials ready for wider adoption.



Financials & Funding Request

Funding Required for the next years: 10M€
(EU, Malta Enterprise, grants & Investors).

Use of Funds:

- **Payroll**
(Engineers, technicians, certification staff).
- **Certification & Compliance Testing**
(CE, ISO).
- **Marketing & Sales Support**
(Industry outreach, B2B contracts).
- **Facility Rent & Real Estate Modifications.**

Organic Steel® will achieve break-even by Year 3 with €12M ARR, scaling to €100M ARR by Year 5 through a combination of direct material sales, licensing, and AI-driven optimization revenues.

Target: 1 billion € valuation by Year 4.

Malta Enterprise funding will cover key infrastructure, certification, and R&D, ensuring accelerated commercialization with minimal financial risk.

The Ask

- We are looking for architects & engineers to pilot Organic Steel® in real-world projects.
- Get early access, special pricing, and customized materials for your next design.
- Let's build the future together.



We are currently in discussions with strategic investors in both the EU and private equity markets, ensuring a diversified funding structure to scale efficiently.