

CarbonCredits.Store™

A New Era for Carbon Offsetting & Sustainable Agriculture



CarbonCredits.store bridges sustainability, carbon monetization & agritech innovations.

Scaling Sustainability with AI & Verified Carbon Credits

- ◆ **Mission Statement:**

CarbonCredits.Store is dedicated to creating **AI-powered transparency** in the carbon credit industry by ensuring that **every offset is verifiable, measurable, and contributes directly to real-world CO₂ sequestration.**

- ◆ **Vision Statement:**

We aim to **bridge technology and sustainability** by integrating **AI-driven monitoring, carbon sequestration, and regenerative agriculture**, providing individuals, businesses, and governments with **accurate, trustworthy, and impactful carbon credits.**



Verified Carbon Credits & Agricultural Inefficiencies

- ◆ Carbon offset markets lack transparency, making it difficult to verify real CO₂ sequestration.
- ◆ Traditional agriculture is inefficient, with **30% of land degraded** and **50% of irrigation water wasted**.
- ◆ Businesses struggle to meet ESG targets due to unreliable carbon Offset solutions.



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.

Verified Carbon Credits + AI-Powered Farming

- **AI-driven carbon credit marketplace** ensuring real impact & transparency.
- **IoT-connected growth boxes & regenerative land projects** improving CO₂ sequestration.
- **Corporate offset packages & direct-to-consumer solutions** for individuals & businesses.



Total Addressable Market & Expansion Potential

Total Addressable Market (TAM): 4 Trillion € +
2.5T €'s Sustainable Agriculture
(FAO, McKinsey)
100B €'s Industrial Biocomposites
(Markets & Markets, Future Insights)
500-700B €'s – ESG Carbon Materials
(WEF, Bloomberg)
850B+ €'s Carbon Credit Monetization
(World Bank, BCG, EU Carbon Market Projections)

Serviceable Available Market (SAM): 700 Billion €'s
(AI-driven agriculture + Eco-materials for
Automotive, Construction & Aerospace)

Serviceable Obtainable Market (SOM): 20 Billion €'s
(Projected Market Capture for CarbonCredits.Store in industrial & voluntary offset markets)



What Makes CarbonCredits.Store Different?

- Compare CarbonCredits.Store to existing carbon credit & agritech solutions.
- Highlight AI-powered verification, growth box CO₂ sequestration, & transparent credit tracking.
- Reinforce differentiation in precision farming, scalability, and high-yield CO₂ capture.
- Unlike traditional carbon credit models, CarbonCredits.Store enables direct CO₂ capture through Growth Boxes, ensuring real, measurable environmental impact while monetizing carbon sequestration for businesses and farmers.
Instead of burying CO₂ emissions, we now put them back into productive use—leveraging captured industrial CO₂ to accelerate plant growth and enhance carbon sequestration efficiency.



Monetizing Sustainability & Verified Carbon Offsets

◆ Revenue Streams:

- **Growth Box Leasing & Direct Sales**
 - AI-powered hydroponic & soil-based systems
- **Subscription Model for AI Farming & Carbon Monetization**
- **Corporate ESG Offset Packages & Verifiable Carbon Credit Sales**
- **Data & AI Services** – Climate modeling, CO₂ sequestration tracking, and reporting



Driving Global Climate Action & Land Restoration



- CarbonCredits.Store focuses on CO₂ sequestration, land restoration, and regenerative agriculture.
- Shared impact: Using industrial hemp as a bridge between agriculture & carbon markets.
- Each hectare restored by CarbonCredits.store absorbs up to an average of 60 tons of CO₂ annually, contributing to both climate resilience and monetizable carbon credits.

Growth Box Technology, AI Optimization & Carbon Credit Marketplace

- **Carbon Capture Growth Boxes:**
AI-driven **hydroponic & soil-based systems** that integrate **industrial CO₂ emissions**, enhancing plant growth and accelerating carbon sequestration. Our **CO₂ injection technology** ensures that emissions from **factories and industrial sites** are actively absorbed by plants, increasing biomass production and material yield.
- **AI-Powered Optimization:** Precision farming, automated irrigation, and predictive CO₂ tracking.
- **Integrated Platform:**
CO₂ validation, carbon credit tracking, and a marketplace for businesses to offset emissions.
- **AI MVP Budget Breakdown (14,500 €'s max):**
 - R&D, IoT sensor integration, AI model development.
 - Projected ROI based on increased efficiency in carbon sequestration & yield improvement.
- **Growth Box Leasing & Monetization:**
 - **Basic (900-Plant, No CO₂ Enrichment):** 400€/month (4.05-ton CO₂ capture/year).
 - **Advanced (900-Plant, With CO₂ Enrichment):** 750€/month (17.55-ton CO₂ capture/year).
- **CarbonCredits.Store Webshop & Subscription Model:**
 - Verified carbon credits for individuals & businesses.
 - Corporate ESG packages with branded CO₂ reduction certificates.
 - Revenue forecast from voluntary carbon credit sales.



Investment Ask & Growth Roadmap



Phase 1 (0–6 months):

- First pilot regions in strategic climate-vulnerable zones (Europe, Asia).
- Secure path for first 5M€ in funding for the future years R&D.



Phase 2 (6–18 months):

- Investor partnerships, AI optimizations, and scaling of operations.



Phase 3 (18–36 months):

- Full-scale commercialization & global market expansion.



CarbonCredits.Store™:

- Welcomes investors across equity, convertible notes, and strategic grants, ensuring aligned growth and returns for all stakeholders.
- Scales first in climate-vulnerable regions, adapting market entry based on strategic investor partnerships
- Aligns with global sustainability grants (e.g., EU Green Deal, UN FAO Sustainable Farming, Carbon Credit Programs)

Scale the Future of Verified Carbon Offsetting

- **Investor & Partnership Opportunities** in funding, tech integration, and global market entry.
- **Next Steps for Collaborations & Growth Box Pilots.**
- **Direct Contact Details for CarbonCredits.Store Team.**

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