



SynergyRecycle.B

Whitepaper v1.0

The Missing Layer of the Circular Economy

"Every gesture counts, together we make the difference."

Germany · 2025 · Public Summary — English Version

Important Notice

This document is a public, non-confidential summary of the SynergyRecycle.B Whitepaper v1.0. It is provided for informational purposes only and does not constitute an offer to invest, a financial solicitation, or legal or tax advice.

The SRb token is a utility token. It should not be purchased with the expectation of financial returns. Pilot performance data does not guarantee future results.

SynergyRecycle.B is not yet commercially operational. We are in the pre-seed phase, finalising the platform and team. All financial data are projections.

For the full documentation, contact: info@synergyrecycle-b.com

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1. Executive Summary

SynergyRecycle.B is a technology platform for the circular economy. We do not collect materials — we provide the digital layer that connects citizens, collection operators, and businesses through tokenised incentives and verified material traceability.

68%	73%	160 T	100%
Retention Rate	Participation	PET potential	Traceability
users after 6 months	community pilot	per year, Southern Italy	certified materials

What we are

SynergyRecycle.B is NOT:

- A waste collection operator
- A commercially active service
- A financial or investment product

SynergyRecycle.B IS:

- A technology provider for the circular economy
- An incentive platform powered by the SRb utility token
- A certified traceability system for recyclable materials
- A pre-seed startup with validated pilot data

2. The Problem

2.1 A Broken Incentive Loop

Across many European markets, separate waste collection exists — but citizen participation remains low and un incentivised. Collection infrastructure is in place, regulations are tightening, yet the behavioural loop is broken: people have no feedback that their action worked, and no reason to do better.

What the market has	Status
Collection infrastructure (bins, trucks, processing plants)	Exists
EU regulations & targets (EPR, CSRD, EU Taxonomy)	Exists
Citizen engagement & incentive layer	Missing
Verified impact data for ESG reporting	Missing
SynergyRecycle.B bridges these gaps	We do this

2.2 The Missing Layer

Bins are everywhere. Trucks run every day. Regulations tighten. But people have no feedback that their action worked — and no reason to try harder. We build the missing layer: the one that makes the whole system actually function.

3. Our Solution

3.1 How it Works

01	You Recycle Bring a bottle or can to a certified collection point. Your action is logged and verified.
02	You Earn Receive 1 SRb token for every bottle or can deposited — directly in your digital wallet.
03	Everyone Wins Businesses get ESG data. Municipalities get traceability. The planet gets cleaner.

3.2 Technology Ecosystem

The SynergyRecycle.B platform is built around three integrated components:

Consumer App

Integrated SRb wallet, personal impact dashboard, collection point map, transaction history. Available for iOS and Android (launch planned 2026).

Dealer Portal

Professional dashboard for collection point managers and operators. Volume management, automated SRb distribution, ESG reports, performance analytics.

B2B Industrial (Agricultural NFT)

Digital certificates for agricultural and industrial plastics: plastic films, greenhouse covers, irrigation materials. Each certificate contains material type, weight, geographic origin, and verified operator identity — fully tamper-proof.

4. Technology

4.1 Blockchain Infrastructure

We use the Polygon blockchain for its scalability, low transaction costs, and compatibility with EU standards. The network processes thousands of transactions per second with near-instant finality.

Component	Detail
SRb Token	ERC-20 utility token deployed on Polygon
Agricultural NFT	Digital product passport certificates for industrial materials
Wallet architecture	3 roles: Admin, Green Treasury, Distributor
Transaction fee	Small fee applied per transaction, partially directed to environmental initiatives
Anti-fraud system	Automated verification mechanism to prevent abuse
Contract verification	Open-source, publicly verifiable on Sourcify

4.2 Smart Contracts

Smart contracts automatically manage reward distribution, the deflationary burn mechanism, and the issuance of digital material certificates. Source code is deposited on GitHub and publicly verifiable.

4.3 Agricultural NFT — Digital Product Passport

For industrial and agricultural plastic materials, we issue digital certificates compliant with the EU Digital Product Passport mandate. Each certificate contains material type, weight, geographic origin, and verified operator identity — creating a tamper-proof record of the entire material lifecycle.

5. SRb Token

5.1 Tokenomics

The SRb token is a utility token on the Polygon network. It is not an investment product. Its purpose is to incentivise recycling behaviour and power the circular economy of the platform.

Parameter	Value
Token standard	ERC-20 (Polygon)
Transaction fee	1.5% per transaction (partially directed to Green Treasury & burn)
Consumer reward	1 SRb per bottle or can deposited
B2B / Industrial reward	3.5 SRb per kg (agricultural and industrial materials)
PET market value	EUR 190–280 per tonne
Weekly buyback	30% of platform revenues
Network	Polygon (testnet) → Mainnet at launch

5.2 Token Distribution

Allocation	%	Purpose
Recycling Incentives	40%	Rewards for citizens and operators
Ecosystem & Development	30%	Platform development and partnerships
Team (4-year vesting)	15%	Founders and core team
Strategic Reserve	15%	Liquidity, emergencies, future expansion

5.3 Buyback Mechanism

30% of all platform revenues — from materials, advertising, and B2B services — is used every week to repurchase SRb tokens on the open market. Repurchased tokens return to the incentive pool, creating a self-sustaining circular model: more recycling → more revenue → more buybacks → stronger incentives → more recycling.

6. Pilot Data — Southern Italy

We validated our model with a real pilot in Southern Italy. These are the verified results that guide our development strategy. The platform is NOT yet commercially operational — these are pilot-phase data.

68%	73%	160 T	100%
Retention Rate	Participation	PET potential	Traceability
users after 6 months	community pilot	per year, pilot area	certified materials

Key pilot results

- Engagement 3.5x higher than traditional systems without incentives
- Zero additional cost for municipalities (the system is self-financing)
- 100% material traceability — auditor-ready ESG reporting
- Structure confirmed compatible with EU Taxonomy requirements
- PET market value: EUR 190–280 per tonne

7. Business Model

7.1 Revenue Streams

Source	Description	Year 1 Target
Recycled materials	Sale of PET and aluminium to certified recyclers	EUR 100–200k
B2B Corporate	Companies buy SRb tokens for CSR campaigns	EUR 50–150k
Advertising & Sponsorship	Eco-brands on app and collection points	EUR 20–50k
Hardware customisation	Retail partners brand the compactors	EUR 10–30k
Dealer Portal (SaaS)	Operator subscription dashboard	Year 2+
Data Analytics	Anonymised aggregate insights for businesses	Year 3+

7.2 Financial Projections — Base Scenario

All figures in EUR k (thousands). Projections based on conservative assumptions. High early-stage costs reflect infrastructure and team investment. Break-even expected: end of Year 4 / beginning of Year 5.

Item	Year 1	Year 2	Year 3	Year 5
Total revenues	180–440	1,020–1,950	2,580–4,550	7,750–12,450
Operating costs	(432)	(1,262)	(2,541)	Decreasing
EBITDA	(362)	(682)	(801)	Positive

Funding requirements

- Pre-Seed (NOW): EUR 200–250k — MVP, operational pilot, CTO hire, app launch preparation
- Series A (Month 18): EUR 1.5–2M — Regional scale-up
- Series B (Month 36): EUR 5–8M — National coverage + path to profitability

8. Roadmap

Phase	Period	Key Milestones	Status
01 — Foundation	2023–2024	Tokenomics design · Legal framework · Southern Italy pilot · Whitepaper v1.0	Done
02 — Tech Stack	Early 2025	SRb token deployed · Agricultural NFT deployed · Consumer app UI · Dealer Portal built	Done
03 — Pre-Seed	2025 (Now)	Investor outreach · CTO recruitment · European market research · Pre-seed round close	Active
04 — Launch	2026	App Store & Google Play · Dealer network Southern Italy · Token on mainnet · B2B pilot	Planned
05 — Scale EU	2028	European market expansion · DEX listing · Industrial NFT for solar panels & EV batteries	Future

9. Risk Factors

As with any early-stage startup and token project, SynergyRecycle.B carries risks that prospective investors and users should be aware of. We disclose them transparently.

Risk	Level	Mitigation
Smart contract vulnerabilities	High	Third-party audit planned prior to mainnet launch
Token price volatility	High	Weekly buyback mechanism; SRb is a utility token, not speculative
MiCA / EU regulatory evolution	Medium	MiCA compliance documented; active legal advisory
Market adoption	Medium	Pilot validated; incentive model proven
Key person dependency	Medium	Active CTO search; defined company structure
Infrastructure scalability	Low	Polygon architecture designed for high-volume, low-cost transactions

10. Team

CEO — Co-Founder

Background in rehabilitation medicine. Active in the blockchain and crypto space since 2017. Based in Germany with deep connections to the Southern Italian market where the pilot was conducted.

CFO — Co-Founder

Responsible for financial structure, tokenomics, and investor relations. Manages the economic model and strategic planning.

CTO — Position Open

We are actively seeking a CTO with experience in blockchain development (Solidity, EVM), mobile development (React Native), and Web3 architecture. Get in touch if you are interested: info@synergyrecycle-b.com

11. Contacts & Resources

To request the full Pitch Deck and detailed financial projections, we will first send you an NDA to sign.

Channel	Reference
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