

Soil Rebirth



Podgorica, Montenegro

World's first man-made fertile soil
reducing transport and land restoration
costs by up to 80%



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THE ASK

€500K

SEED ROUND

Equity /
Convertible Note



12–18 months of runway.
40% First 2 commercial EU pilots to validate the on-site
licensing model.
40% Global patent prosecution (USPTO and EPO).
20% Core team and operational scaling.

MARKET OPPORTUNITY

TAM

€13.97B

Manufactured soil
for mine
restoration,
sustainable
agriculture and
desert greening.

SAM

EU mines

European
heavy-industry mine
restoration
operators.

SOM

€70M

0.5% target within
3 years. From EU
pilots to global
commercial rollouts.

THE PROBLEM



2 billion hectares degraded.

Mining and heavy industry leave over 2 billion hectares
of destroyed, depleted and degraded fertile soil globally.



Slow and expensive reclamation.

Strict EU mandates require mining operators to eliminate
industrial residue waste and restore damaged land.



A pre-funded restoration market.

The source cites a €150B EU Just Transition Fund subsidizing
mining operators for environmental restoration.

THE SOLUTION



Embrion: fertile soil briquettes.

Female-led, 30+ year patented deep-tech
transforms raw industrial residues directly on-site
into compressed fertile soil briquettes.



Natural waterproof clay layer.

Completely blocks heavy metals and eliminates
dependency on chemical fertilizers.



Less logistics. Lower costs.

Cuts traditional transport logistics by 50% and
delivers up to 80% on-site cost savings for land
re-cultivation.

BUSINESS MODEL



Asset-light B2B

Patented technology
licensed directly to
coal mines and
heavy-industry
operators.



Fees + royalties

Upfront Integration
Fees + Recurring
Volume Royalties.
No costly factories or
heavy logistics.



~75% net margin

SaaS-like net profit
margin. Operators use
their existing on-site
machinery and residue
waste.

NOTEWORTHY MILESTONES

Patents	Full patent protection granted in Serbia and Montenegro.
PCT	National phase entries progressing globally, including EPO and USPTO.
R&D grants	Financial backing and R&D grants from the Innovation Fund of Montenegro.
WIPO	World Intellectual Property Organization Global Award Winner.
2024	EIT Jumpstarter Grand Finalists.
EU award	EU-funded Butterfly Innovation Award.

KEY PERFORMANCE INDICATORS

KPIs	Year 1	Year 2	Year 3
Revenue	€150,000	€1,200,000	5,500,000@
# of Customers	2 (EU pilots)	8 (Licences)	25 (Global mines)
# of Employees	5	9	15
Net Profit Margin	70%	74%	75%

FROM
IDEAS
TO REAL
PRODUCTS
AT SCALE.

* Year 3 revenue is shown as "5,500,000@" in the source; its currency is not specified.