

♻️ INVESTOR PITCH DECK · 2026

RevoBloc

African Innovation. Global Standards.

Transforming Africa's plastic waste crisis into high-performance construction blocks — through solar-powered extrusion, circular-economy design, economy design, and community-driven collection.

160M

HOUSING UNIT DEFICIT

19M T

PLASTIC WASTE / YEAR

2×

STRONGER THAN BRICK



Africa Faces a Dual Crisis — and Traditional Construction Makes It Worse

A continent-scale housing shortage collides with an unmanaged plastic waste epidemic.



Crisis 1: The Housing Deficit

160M

Unit housing deficit across Africa — growing faster than traditional construction can respond.

- Traditional construction is **slow, costly, and carbon-intensive** — cement alone accounts for 8% of global CO₂ emissions.
- Conventional blocks require **water, mortar, and skilled labour** — scarce in many African regions.
- Energy grid instability makes **consistent manufacturing nearly impossible** for most small-scale producers.



Crisis 2: The Plastic Waste Epidemic

19M T

Tonnes of plastic waste generated annually in Africa — 90% mismanaged or uncontrolled.

- **17 million tonnes** enter oceans and waterways every year, devastating ecosystems and communities.
- Open burning of plastic releases **toxic chemicals**, causing respiratory illness and soil contamination.
- Existing recycling infrastructure is **inadequate, fragmented, and inaccessible** to communities.



Energy Instability — Unreliable grids halt manufacturing and slow economic development the continent.



Water Scarcity — Conventional construction consumes thousands of litres per build in water-stressed regions.



Community Impact — Plastic pollution and shortages disproportionately harm low-income rural communities.

One Ecosystem Solves Both Crises Simultaneously

RevoBloc's three-pillar platform turns plastic waste into housing — powered entirely by the sun.



RevoBloc THE PRODUCT

High-performance interlocking construction blocks engineered from both recyclable and non-recyclable plastic waste, combined with locally sourced mineral aggregates.

- **2× compressive strength** of traditional brick and cinder block
- **Mortarless interlocking design** — no water, no cement on site
- **100+ year lifespan**, termite and weather resistant
- **Patent No. A2026/00343**



RevoCircular WASTE-TO-VALUE EXCHANGE

A community-powered waste exchange system that pays that pays local suppliers for collected plastic — creating economic incentives that drive systematic waste diversion at scale.

- **Mobile 12m baling containers** deployed at schools, schools, municipalities, and industrial zones
- Accepts **both recyclable and non-recyclable** plastic — even contaminated ocean-retrieved material
- **Verra-registered plastic credits** generated per kilogram diverted
- Creates **direct income streams** for low-income waste suppliers



RevoGuardian LAST-MILE COLLECTION

A heavy-duty solar-assisted cargo tricycle operated by youth EcoEntrepreneurs — reaching dense settlements where conventional vehicles cannot, with fully auditable digital impact tracking.

- Reaches **1,200+ dense urban settlements** inaccessible to standard vehicles
- **USSD + app platform** — works on any mobile no internet required
- **Auditable KPI data** per kilogram: carbon savings, savings, diversion rates, earnings
- Empowers **youth EcoEntrepreneurs** with green employment



100% Solar-Powered Extrusion — Off-grid manufacturing grid instability entirely



Minimal Water in Production — Critical advantage in Africa's water-scarce regions



Aligned with All 17 UN SDGs — block built advances development



EPR + LEED + Carbon Credits — Multiple compliance and credit revenue streams

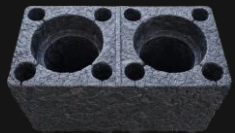
Meet the RevoBloc

High-performance interlocking building blocks engineered from recyclable and non-recyclable plastic waste.

FRONT VIEW



BOTTOM VIEW



ANGLE VIEW



2× Superior Strength

Delivers twice the compressive strength of traditional brick and cinder block. Validated for both loadbearing and non-loadbearing applications.



100+ Year Lifespan

Highly durable material that is completely termite, rot, and weather resistant, designed specifically for harsh African climate conditions.



Mortarless Interlocking

Precision geometry eliminates the need for mortar, accelerating build timelines by 50% and requiring zero water on site.



Quality Certified

Rigorous quality control at every production stage. Patent No. A2026/00343.

♻️ Material Specifications

ACCEPTED PLASTICS

Both recyclable and non-recyclable plastics accepted — including landfill & ocean-retrieved plastic.

PP

PE

HDPE

LDPE

MDPE

ABS

NOT USED

Certain plastics are excluded to maintain structural integrity and environmental safety standards.

Rubber

PVC

Every Block Counts: Quantifiable Benefits

RevoBloc delivers measurable environmental and structural advantages at every stage of its lifecycle.



WASTE DIVERSION

Up to 6.35_{kg}

Plastic diverted per block from landfills and oceans, utilizing both recyclable and non-recyclable waste.



EMISSIONS REDUCTION

32_{kg}

CO₂ saved per block compared to traditional concrete block manufacturing and transport.



WATER CONSERVATION

50_L

Up to 50L of water saved per m² of wall built, eliminating the need for mortar and on-site mixing.



MATERIAL EFFICIENCY

90%

Reduction in cement dependency, lowering the carbon footprint of projects.



CLEAN PRODUCTION

Zero

CO₂ emissions during manufacturing, entirely by off-grid solar extrusion technology.



GLOBAL ALIGNMENT

All 17

UN SDGs advanced by RevoBloc's circular system, from poverty reduction to climate

A Continent-Scale Opportunity

Africa's rapid urbanization and infrastructure needs create a massive, underserved market for sustainable construction.

160M

Housing Unit Deficit

A critical shortage across the continent, demanding rapid, scalable, and affordable affordable construction solutions.

1.4B

Growing Population

Rapid urbanization is driving unprecedented demand for new residential and commercial infrastructure.

19M T

Annual Plastic Waste

An abundant, virtually free raw material stream that currently burdens municipalities municipalities and ecosystems.

Target Applications



Residential Housing

Rapid deployment of affordable housing housing units. 50% faster build times and up and up to 30% cost savings compared to traditional methods.



Commercial Developments

High-strength loadbearing and non-loadbearing walls for retail, office, and industrial parks seeking green certifications.



Agricultural Storage

Durable, weather-resistant, and termite-termite-proof structures for crop storage storage and farming infrastructure in rural rural areas.



Municipal Infrastructure

Public facilities, boundary walls, and community centers built sustainably, helping helping governments meet SDG targets.

Multiple Revenue Streams from One Platform

Our licensee model enables rapid geographic scaling while unlocking diverse, high-margin revenue channels across construction, waste, and carbon markets.

THE LICENSEE EXPANSION MODEL

Rapid Geographic Scaling

Empowering local entrepreneurs to establish RevoBloc manufacturing hub, manufacturing hub, accelerating our footprint across Africa without heavy heavy capital expenditure.

Technology Access

Licensees gain access to our patent-pending solar powered extrusion system, extrusion system, for green manufacturing

Comprehensive Support

We provide end-to-end training, technical support, and business development development assistance across construction, energy, and agriculture sectors.

Circular Economy Integration

A first-mover advantage operating a platform that addresses housing, energy, housing, energy, waste management, and farming.

DIVERSIFIED REVENUE CHANNELS

Direct Block Sales & Royalties Royalties

High-margin revenue from direct B2B/B2C sales of RevoBlocs, plus ongoing ongoing royalty fees from our licensed licensed manufacturers.

Technology Licensing Fees

Upfront licensing fees for access to our our proprietary solar-powered extrusion. extrusion.

EPR Compliance Credits

Monetizing corporate EPR obligations by obligations by providing certified plastic plastic waste recovery and recycling services.

Verra-Registered Plastic Credits Credits

Generating and trading Verra plastic credits for waste permanently diverted diverted from the environment.

Global GreenTag & LEED Credits

Unlocking premium value for developers through carbon, manufacturing, and health certifications contributing to green building standards.

The Closed-Loop System

An end-to-end circular economy transforming waste into high-value construction assets.



STEP 01

Collection

RevoGuardian tricycles collect plastic waste from dense, hard-to-reach urban settlements.



STEP 02

Baling

RevoCircular mobile hubs compress and bale waste the source for efficient transport.



STEP 03

Extrusion

Proprietary solar-powered extrusion transforms plastics into RevoCrete.



STEP 04

Formation

RevoCrete is precision made into high-strength, interlocking RevoBlocs.



STEP 05

Construction

Rapid, mortarless assembly assembly for housing, commercial, and infrastructure infrastructure projects.

4-5 MIN

CURING TIME

24/7

PRODUCTION CAPACITY

100%

QUALITY TESTED

ZERO

CO₂ EMISSIONS

RevoBloc Outperforms Traditional Construction

Superior structural integrity, faster build times, and significant cost savings — without the environmental toll.

PERFORMANCE METRIC

Traditional Brick / Cinder

 **RevoBloc**

 COMPRESSIVE STRENGTH	Standard baseline	 2× Stronger	(Validated)
 CONSTRUCTION SPEED	Slow, labor-intensive	 50% Faster	(Interlocking)
 PROJECT COSTS	High material & labor costs	 15–30% Savings	
 WATER & MORTAR	Required (High consumption)	 Zero Required	(Mortarless)
 LIFESPAN & DURABILITY	~50 years, susceptible to weather	 100+ Years	(Termite/Rot proof)
 MANUFACTURING	Grid-dependent, high CO ₂	 Off-Grid Solar	(Zero CO ₂)



The First-in-World Solar Plastic Extrusion Platform

The Team Behind the Revolution

Led by experienced operators and backed by strategic industry partners across the circular economy.

LEADERSHIP TEAM

RV

Righardt Visser

FOUNDER & CEO

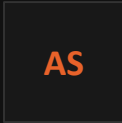
Visionary leader driving RevoBloc's mission to transform Africa's plastic waste crisis into sustainable construction materials.

LB

Liam Beckett

BUSINESS DEVELOPMENT DIRECTOR

Spearheading strategic growth, licensee expansion, and commercial partnerships across the African continent.

AS

Anton Scheepers

MARKETING DIRECTOR

Driving brand positioning, market awareness, and community engagement for the RevoBloc circular ecosystem.

STRATEGIC PARTNERS



Ocean Plastic Technologies

Waste Recovery Partner



AIMCO

Industrial Marketing



AdamasAqua

Technology Partner



Sunman Africa

Renewable Energy



Biogas Consulting SA

Bio-Energy Systems

Proven Momentum & Market Readiness

Significant milestones achieved across technology, intellectual property, and strategic partnerships.



IP PROTECTION

Patent Secured

Patent No. A2026/00343 secured for our proprietary proprietary solar-powered plastic extrusion platform.



CARBON MARKETS

Verra-Registered

Established a Verra-registered credit system to monetize plastic waste diversion and carbon reduction.



QUALITY ASSURANCE

SABS Pathway

Rigorous quality control and testing pathway established for South African Bureau of Standards Standards certification.



ECOSYSTEM

5 Strategic Partners

Secured partnerships with Ocean Plastic Technologies, AIMCO, AdamasAqua, Sunman Africa, and Biogas Consulting SA.



INNOVATION

Solar Powered Platform

Developed a patent-pending Solar powered manufacturing system for licensees.



FOOTPRINT

Active Operations

Currently operating and expanding from dual headquarters in Cape Town, SA and Gaborone, BW.



RevoGuardian in Development — Last-mile collection tricycle entering production phase to scale our waste-to-value pipeline.

 THE INVESTMENT OPPORTUNITY

Join the Revolution Revolution

Partner with us to scale a proven, patent-protected solution that addresses Africa's housing deficit and plastic waste crisis simultaneously.



Become a Licensee



Become a Waste Supplier



Become a Strategic Partner

Get in Touch



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LOCATIONS

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WEBSITE

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