



ColdBox Store

www.coldbox.store



Refrigerated Aggregation Centers

Solar-powered cold chain hub that aggregates, preserves, and distributes perishable products from nearby producers, while coordinating supply support to ensure consistent market availability.

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A Failure of Infrastructure, not Farming

- Nigeria loses an estimated \$9 billion in food value annually to post-harvest spoilage. This is not a failure of farming, it is a failure of infrastructure.
- The absence of a reliable cold chain between farms and markets keeps smallholder farmers trapped in poverty and leaves food prices structurally volatile.

THE PROBLEM

\$9B

lost annually to post-harvest spoilage in Nigeria

Source: World Bank / Academic review

Only 4%

of Nigeria's food moves through a cold chain

FAO / University of Birmingham, 2017

40%+

of fresh produce lost after harvest

ScienceDirect peer-reviewed study, 2023

57%

of household income spent on food

NBS Consumption Expenditure Report, 2019

39.5%

food inflation rate in Nigeria, July 2024

National Bureau of Statistics, 2024

The Solution

Coldbox Store connects solar-powered aggregation infrastructure, clean logistics, and a proprietary digital platform into one networked cold chain ecosystem.

01

Aggregation

Refrigerated Aggregation Centers (RAC) serves food production clusters. They integrate cold rooms for extending shelf life and greenhouses for year round supply.

02

Distribution

Solar-charged electric fleet moves perishables from farms to the RAC as well as nearby urban markets. The solar powering the RAC Enables this .

03

Platform

ColdBox Store digital platform manages every transaction across the network — generating proprietary supply chain and credit data no lender can replicate.

HORTICULTURE

Solar-irrigated Greenhouses enable year-round production of premium vegetables. Consistent supply feeds the RAC year-round and opens supermarket, restaurants, retail hotel, and export markets.

LIVESTOCK

Live and processed livestock products aggregated under cold chain conditions. Blast freezer and cold room capacity serves producers across a 50 km catchment area.

The Compounding Engine

Three layers. Each one unlocks the next. Together they remove the valuation ceiling.

01 Physical Infrastructure

WHAT WE OWN TODAY

- Solar-powered cold room sold or leased to restaurants, retailers, farms.
- Solar-irrigated greenhouse sold directly or leased to farms to enable year round cold chains
- Food production Clusters and solar irrigated farm estates for year round supply



02 Digital Platform

GIZ DEVELOPPP VALIDATED

- Every transaction, every kilogram aggregated, every payment made flows through ColdBox Store, generating proprietary supply chain and credit data no lender or government has ever accessed at this resolution in Nigerian agriculture.



03 Embedded Finance

LIVE PILOT — EWAS

- Live PAYGO model operational with the 750 member EWAS cooperative. Enugu State + GEAPP/RMI have committed \$833K to deploy 150 greenhouses and 2 cold rooms . Repayments flow through ColdBox Store. Manamuz earns servicing fees. Credit risk on government and DFI balance sheets.

VALUATION CEILING

Infra only

\$25-50M

Platform activated

\$80-150M

Embedded finance live

\$500M-1B+

GIZ develoPPP Ventures validates the digital platform as a market transformation mechanism and the bridge between Layer 1 and Layer 3.

Products

Three proprietary products to enable sustainability of Refrigerated Aggregation Centers.

Manamuz Greenhouse

Solar-irrigated greenhouse

- Enables year-round vegetable production for cold chains and creates Premium-quality crops that can access premium markets.
- Reduces farmer income seasonality and improves PAYGO repayment
- 200+ units sold. 150 deployed under off balance sheet PAYGO contracts

Manamuz ColdBox

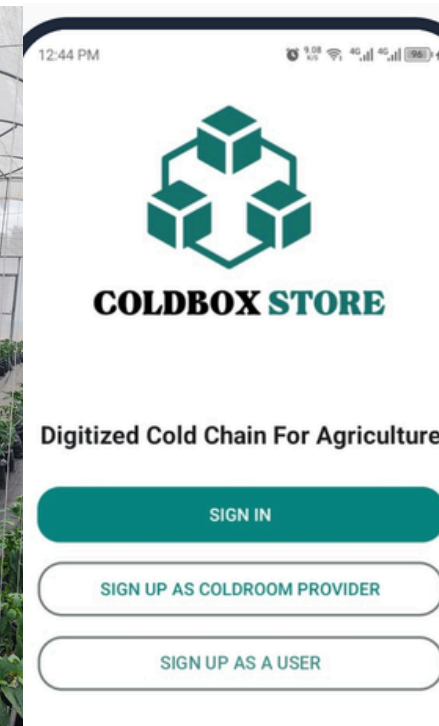
Solar-powered cold room

- Operates with off-grid solar Leveraging Cold Thermal Technology and we have deployed 10 units serving both fresh and frozen segments.
- Surplus Power can be used to power Electric Vehicles , Water pumping and other productive use activities.
- Each unit is IOT enabled and can connect to the ColdBox Store platform

Coldbox Store

Digital Platform

- Links farmers, RACs, cold room operators, transport providers, and buyers.
- Manages aggregation, storage, inventory, quality control, logistics, and market fulfilment.
- Generates revenue through storage, logistics, commissions, subscriptions, and digital support services.



Go to Market

Proof of Concept to Improved Capacity Utilisation and Scale.

01

COMPLETE

Proof of Concept

- Solar-powered cold chain hub that aggregates, preserves, and distributes perishable products from nearby producers.
- Prove demand of our Hardware product sales and off balance sheet PayGO .

Goal

Validate demand and unit economics of solar-powered cooling and year-round production.

02

UNDERWAY

Capacity Utilization

- Improving utilisation of the vegetable cold chain by enabling farmers within 50 km of the RAC to own Manamuz Greenhouses.
- Integrating electric vehicles powered by solar from the RAC to aggregate harvests from these farms, further improving throughput.

Goal

Own and operate cold chain. Sell greenhouses. Build platform data.

03

NEXT — \$2.8M RAISE

Scale

- Scale year round, premium food production through PAYGO financing and solar irrigated farm estates in rural and peri-urban communities near Enugu, Abuja, and Lagos.
- Build and operate three new Refrigerated Aggregation Centers in these cities while providing PAYGO financing for cold rooms to buyers so they can receive the supply.

Goal

Scale rapidly without owning every asset. Platform becomes the network.

Market Opportunity

Nigeria is the largest untapped cold chain market in Africa. The infrastructure gap is the opportunity.

TAM — NIGERIA VEGETABLE MARKET

\$13B

Nigeria's 13M tonne vegetable supply gap at \$1/kg

Unmet demand — not competition

Production + cold chain services both required

FAO (2023) / HortiNigeria (2025)

SAM — POST-HARVEST LOSS

\$8B

50% of 16M tonne annual vegetable production lost

Capturable via cold chain + PAYGO infrastructure

At \$1 /kg average value

UNEP (2022) / AGRA (2022) / IFAD

SOM — MANAMUZ TARGET

\$130M

New infrastructure investment + Cold Chain Services revenue target

\$3.5B Nigeria cold chain market by 2034

11.5% CAGR — Nigeria fastest-growing in Africa

Reports and Data (2024) / Mordor Intelligence

Proprietary hardware

Every unit sold onboards a new platform customer and generates recurring CaaS and PAYGO revenue.

Government-backed

Enugu State and GEAPP/RMI signed contracts validate demand at sovereign level through the EWAS project and the EAGCM project.

Platform + data moat

Every transaction generates proprietary credit data. No competitor has this dataset.

The above figures cover horticulture only. Inbound demand from Nigeria's livestock industry already operational in Enugu State and Adamawa Sta represents a material additional market not reflected in these numbers.

Revenue Streams

01 Infrastructure + Paygo

25% Sales margin, 10% financing charge and \$150-\$200 annual digital subscription fees from solar cold room and greenhouse sales for connected devices.

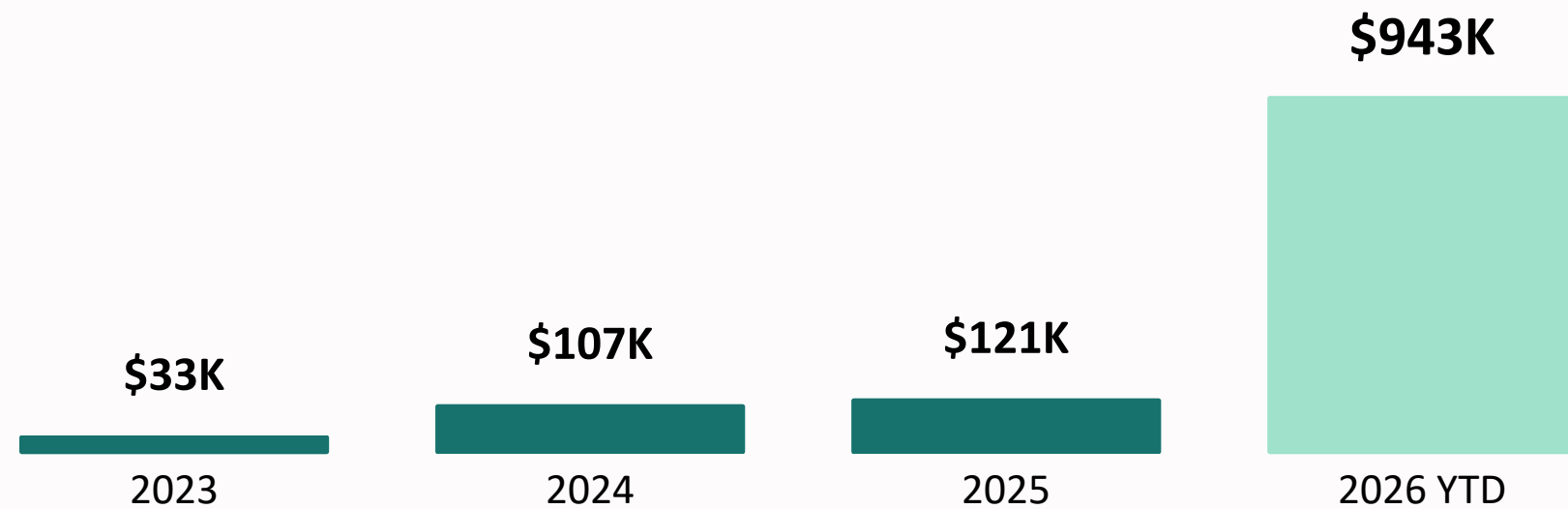
03 Cold Chain -As-A-Service

- Recurring cold chain access fees from Refrigerated Aggregation Centers we own and operate at 100 Naira per kg per day .
- This is currently the lowest contributor to revenue but will over time become the highest contributor as the ecosystem matures.

02 FFV Aggregation

We charge 11% commissions for aggregation , storage and distribution of fresh fruits and vegetables per kg.

Traction



Revenue growing rapidly.

2026 YTD already 7.7x full-year 2025. 90% infrastructure sales — transitioning to recurring CaaS, platform, and embedded finance.

RAC — Horticulture (vegetables)

One cold room | 50 km catchment | Enugu State

RAC — Livestock

One blast freezer + one cold room | 50 km catchment | Enugu State

LIVE PAYGO CONTRACTS

EWAS Cooperative — Enugu State Gov (\$713K) + GEAPP/RMI (\$120K)

150 greenhouses + 2 cold rooms deployed. Farmers repaying via platform. \$833K committed.

+ EUR 100K GIZ equity-matching grant | \$10M+ pipeline in advanced stages

\$833K

GEAPP | All On | GIZ | ClimaFii Alliance | Croasdell Family Trust (USA) | KPMG CFO oversight | Independent board

Financial Projections

Base case from financial model . Growth case adds CaaS which currently earns the least revenue but has potential to earn the most revenue as the market matures.



Infrastructure

FFV aggregation

CaaS

Growth case (EAGCM + SPV + embedded finance)

SERIES A TRIGGER

3 new RACs live | \$3M ARR | Embedded finance facility in place | Target raise: \$8M-12M at \$25-35M pre-money | Timeline: FY2028

KEY METRICS — BASE CASE

	FY27	FY28	FY29	FY30	FY31
Gross margin	40%	49%	53%	56%	59%
EBITDA margin	37%	46%	50%	53%	56%
Net profit margin	25%	31%	34%	37%	39%

GROWTH CASE

Cold Chain As A service picks up and supports all value chains as the market matures as this has the most potential when compared with global companies like Lineage Logistics and Americold but currently generating the least revenue .

The Team

A decade of execution at the intersection of clean energy, agriculture, and digital infrastructure in Nigeria.



Uzochukwu Mbamalu

CEO & Co-Founder

300+ infrastructure projects across energy and agriculture.



Charles Aliozo

CTO & Co-Founder

14+ years engineering and platform implementation.



Miracle Ebere Oti

Chief Operating Officer

7+ years managing infrastructure in Nigeria.



Christian Asogwa

Head of Software

5+ years building software for agri-ops.



Sandra Anene

Finance Lead

Financial operations and compliance management.



Uche Aniakor

Monitoring & Evaluation Lead

Monitoring and Evaluation

BOARD & OVERSIGHT — David Croasdell (Non-Exec, Croasdell Family Trust USA and Prof. of Digital Transformation) | Robyn Brunscher (Non-Exec, Former Sr. Managing Director UPS; Director Supply Chain & Transportation Management, University of Nevada) | KPMG (CFO-as-a-Service) | All On (Board Observer)

Use of Funds

How the \$2.8M raise is deployed across infrastructure, platform, and SPV activation.

\$1.5M EQUITY

40%	\$600K	<ul style="list-style-type: none">• Three RACs
25%	\$375K	<ul style="list-style-type: none">• Management and Finance Platform Development
20%	\$300K	<ul style="list-style-type: none">• Working Capital
15%	\$225K	<ul style="list-style-type: none">• SPV Seed Capital

\$1.3M SPV FUNDING

60%	\$800K	<ul style="list-style-type: none">• Farm Estate SPV Co-Financing
40%	\$500K	<ul style="list-style-type: none">• Paygo SPV Co-Financing

\$2.8M

Total raise

\$1.5M

EQUITY

Activates three Refrigerated Aggregation Centers, onboards 2,000 microenterprises, and proves recurring platform revenues across farming and agribusiness.

\$1.3aM

SPV FUNDING

Unlock Scale through SPV's for food production Clusters and Paygo Financing .