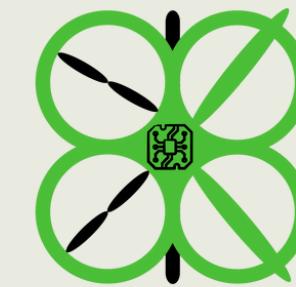




KILIMO ANGA

Aerial data Intelligence for African Farms

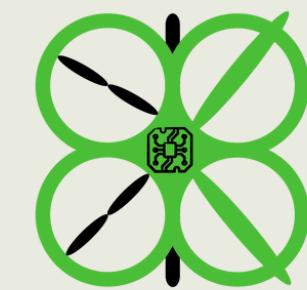


KIPEPEO
Aerospace

"Precision Aerial Solutions, **Grounded** in Excellence"

Kipepeo Aerospace?

Building UAS technology for smarter, sustainable solutions

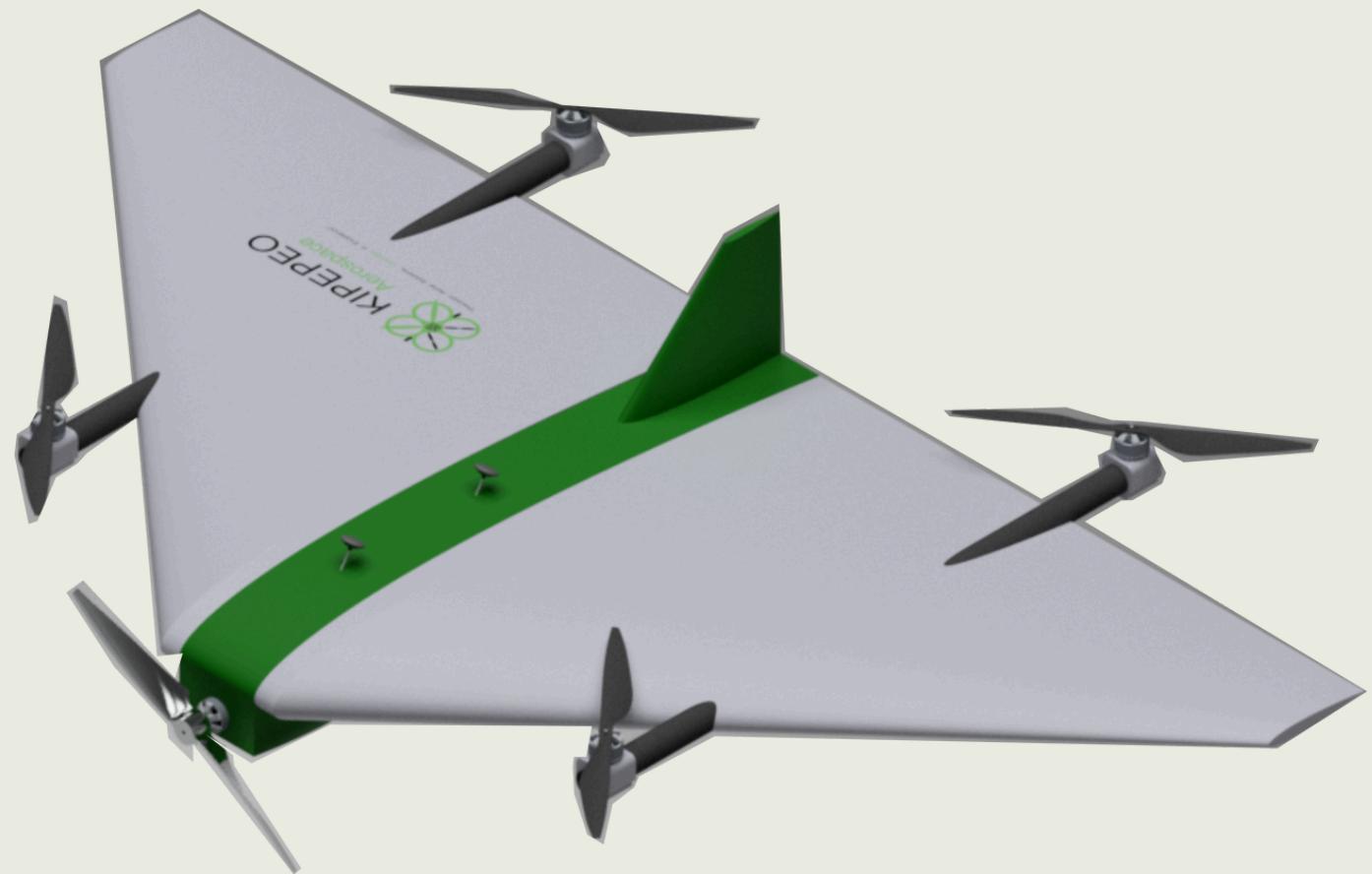


KIPEPEO
Aerospace

"Precision Aerial Solutions, **Grounded** in Excellence"



Tailored, Modular,
Customizable



Affordable & Accessible



Kenya's first indigenous OEM



Built for Africa,
by Africans



Ecosystem-Driven

"From importers to innovators – Kipepeo is Kenya's leap into aerospace manufacturing"

The Problem

“The under-utilization of actionable agricultural data insights as decision-making tools is leading to significant input wastage and limited yield potential across farming operations in Kenya.”



68%

kenyan
farmers do
maize

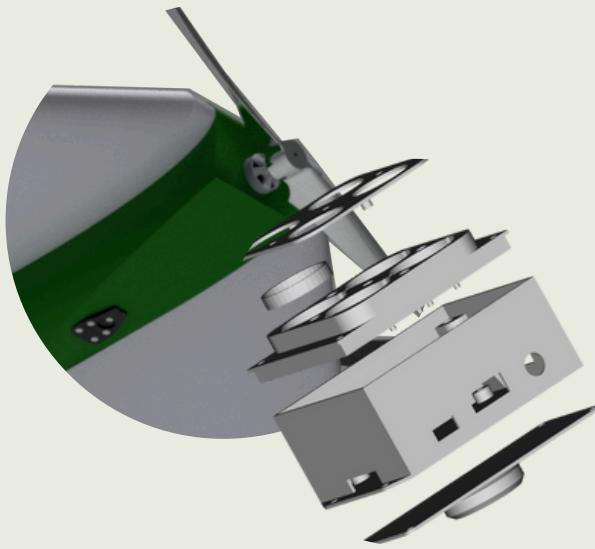
41%

struggle with
pests and
diseases

45%

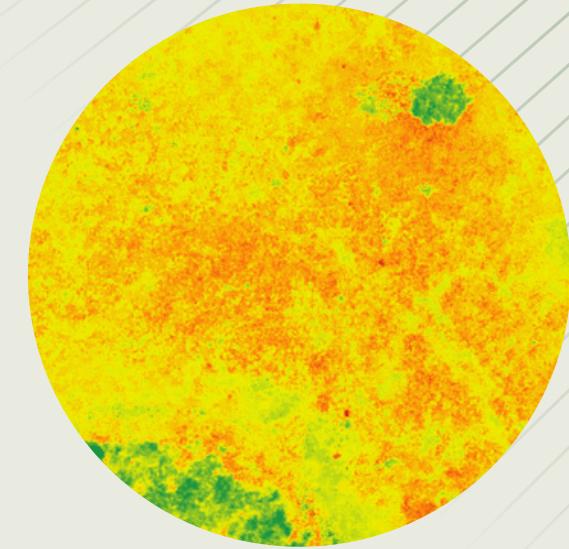
applied
input is
wasted

The Solution: Kilimo Anga Data Intelligence System



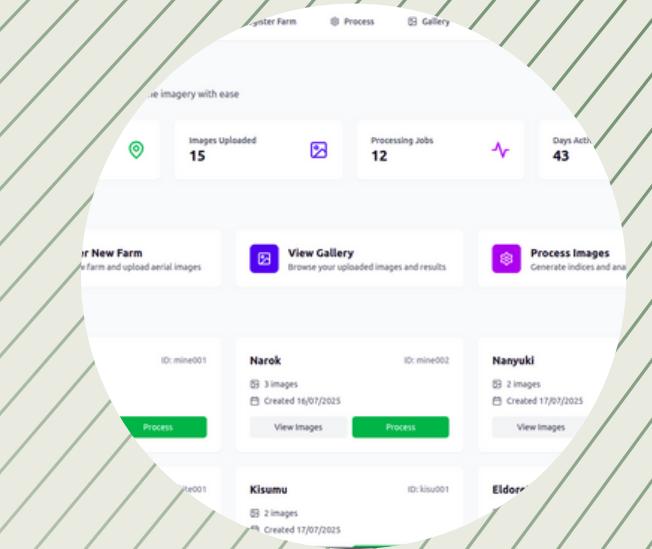
AngaCam

Low-cost, locally engineered multispectral camera modular to aerial platforms that capture aerial imagery of farms



AngaCloud

Cloud-based processing pipeline → applies calibration to correct sensor/environment effects before generating vegetative indices for crop & soil health monitoring



AngaView

Web app platform that allows user to access AngaCloud for processing and view insights contextualized to crop growth stages for actionable accuracy.

How it Works



Launch & Capture

Deploy AngaCam to capture high-resolution multispectral imagery across your target agricultural area.

Multiple band imaging with GPS coordinates for field coverage and optimal data collection.



Upload & Process

Seamlessly upload captured data to AngaCloud for real-time radiometric and phenological processing and analysis.

Advanced algorithms process multispectral bands to generate vegetation indices and crop health metrics.



Analyze & Act

Access actionable crop insights through AngaView with geo-tagged recommendations and alerts.

View NDVI maps, identify crop stress areas, and receive specific recommendations for targeted interventions.

Impact Model



"Up to 45% less fertilizer & pesticides and 30-40% higher yields with targeted accurate insights."



Market Size: Aerial Data Intelligence for Maize Farming

Total Addressable Market:

Maize cultivation area in Sub-Saharan Africa → 81.5 million acres (FAO & AfDB)

Serviceable Available Market:

Staple cultivation area in Kenya → 6.3 million acres (StatsKenya)

Serviceable Obtainable Market:

In a 36-month window, capturing 1-3% of the Kenyan market → 150,000 acres

Market calculation is seasonal:

Farm size in acres x no of scans per season (avg 5) x price of scan per acre (\$5)

TAM

\$2B

SAM

\$157M

SOM

\$3.75M

Traction & Partnerships



2024

Camera

Initial design of AngaCam with a cost estimate that offers an affordable alternative to existing solutions



2025

Pipeline

Developed and tested an **image processing pipeline** for vegetative indices, maps and insights



2025

Cloud Credits

Accepted into the **Microsoft for Startups** founders hub that provides upto **\$5,000** in Azure cloud credits



2025

AngaView

Designed and deployed the web app AngaView that leverages AngaCloud hosted on Azure

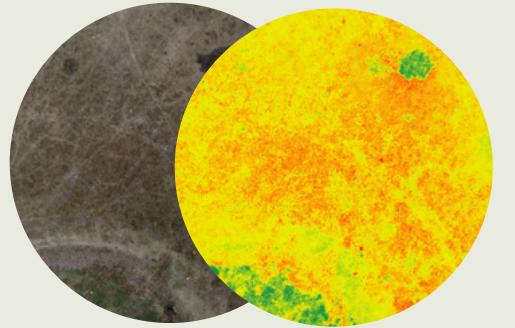


2025

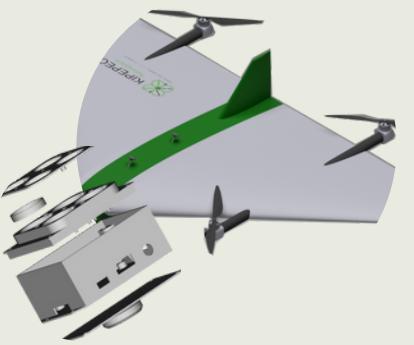
UAS Operator

Actively seeking partnerships with **local UAS operators** for pilot deployment, user testing and market access

Business Model



Software-as-a-Service: Monthly subscription pricing model that leverages AngaCam, AngaCloud and AngaView. This is the core recurring revenue stream, starting at **\$200/month**.



Hardware (AngaCam): Leasing/Sale of the multispectral camera to UAS Operators with hardware integration and support. Starting at **\$100/month**

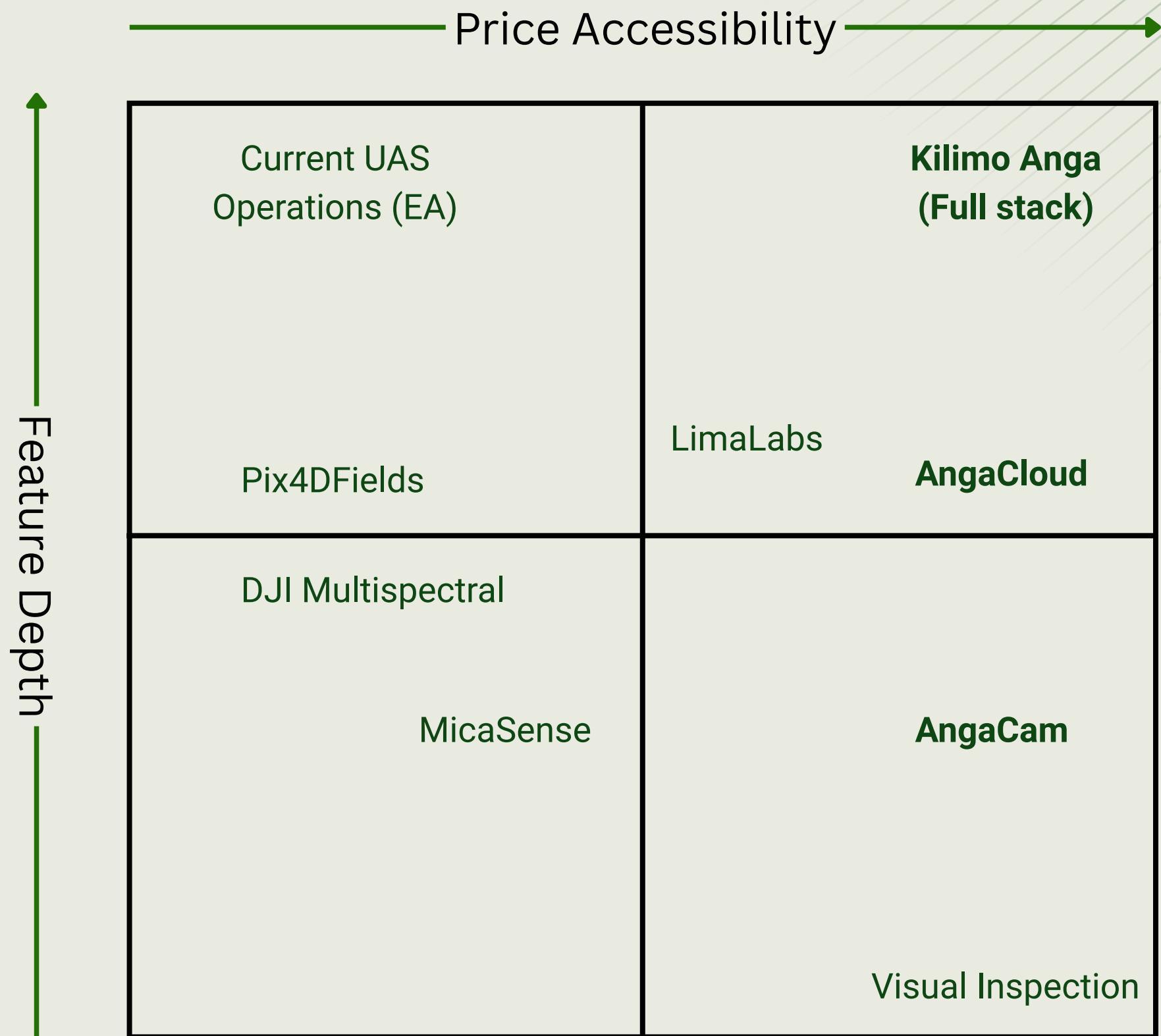


Data/API: As farms are scanned, aggregated anonymized data remains available for licensing to agribusinesses, cooperations and institutions. Offered at **\$1/acre**. Bulk pricing available.



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Competitive Landscape



MicaSense - Multispectral Camera (~\$6000)

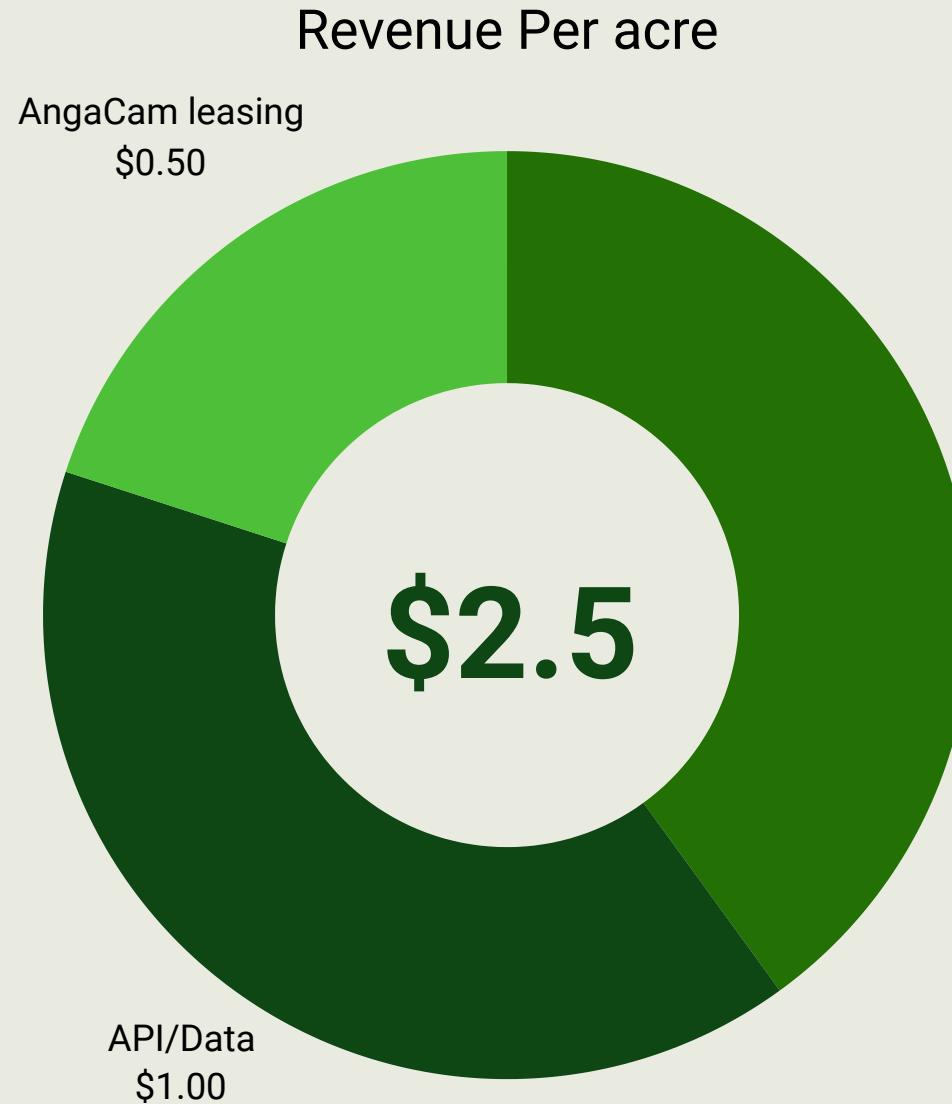
Pix4DFields - cloud based precision agriculture software (~\$200 per month)

LimaLabs - AI driven crop monitoring

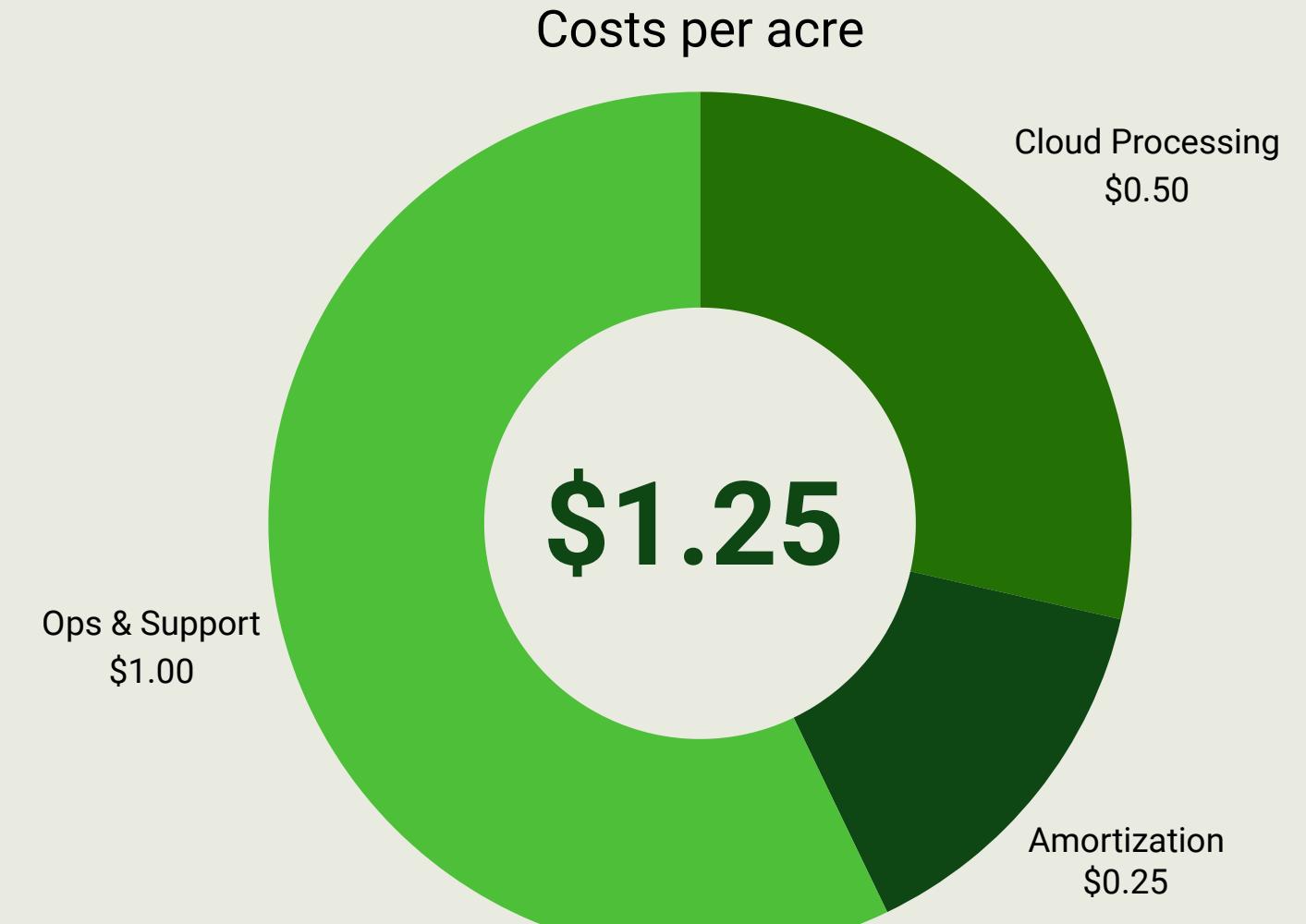
Current UAS Operations - DJI Multispectral systems (\$6000) + Pix4DFields



Unit Economics: Per acre scan



Margin
~\$0.75/acre



****AngaCam unit cost is ~\$600, 12 months lifecycle. Amortized cost per month is \$50. Leasing fee is \$100/month. Revenue and Cost recovery per acre is calculated on a 200 acres/month model.**

****Ops & Support entails platform support, cloud infrastructure, maintenance and tech assistance.**



Roadmap: Research and Validation

Phases

6 months

6-12 months

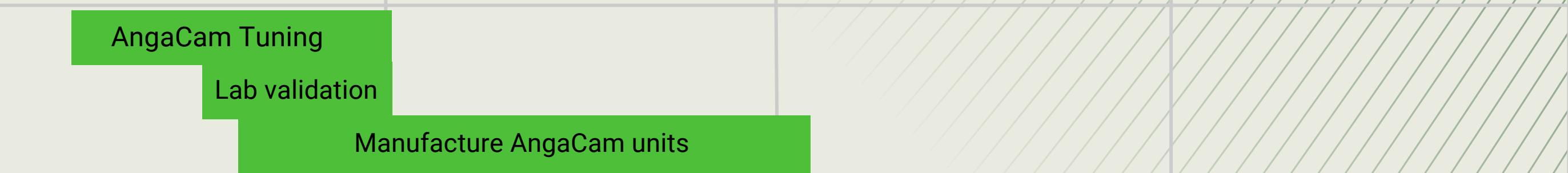
12-18 months

18-24 months

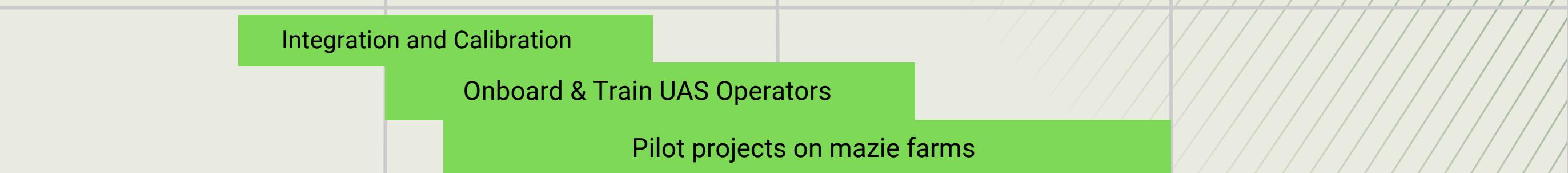
Core Platform & Prep



Hardware R&D and Calibration



Pilot Deployment



Scale & Feature Expansion





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24-month budget

Category	Amount	Purpose
AngaCam Production	\$9,000	Manufacture 15 units @ \$600 each.
Aerial Platform Production	\$6,000	Manufacture 5 units @ \$1200 each for testing and validation
Hardware R&D + Calibration	\$8,000	Finalize multispectral tuning, drone integration, sensor calibration, casing durability, lab validation and field testing
Cloud Infrastructure AngaCloud	\$25,000	Process aerial data through the pipeline hosted on Microsoft Azure
Platform Integration (AngaView/API)	\$15,000	UI/UX improvements, Export tools. Co-op and agritech CRM integration
UAS Operator Onboarding & Training	\$20,000	Partner, train and support drone operators through training materials, field workshops and support hotlines. Targeting 8 -10 operators
Licensing & Compliance	\$5,000	KCAA permits, Operator licensing support and insurance
Contingency & Buffer	\$20,000	Emergency hardware replacements, additional cloud usage, travel & field support

**50k
acres**

\$108k

The Team



Brian Lembuss

Founder

Grew up around maize farming in Kenya. Now we're building the tools our parents never had



- B.Sc, M.Sc Aerospace Engineering
- UAS Pilot & Instructor
- Aircraft systems
- Hardware & Software
- Business Development

Past co-founders

Adrian Kiplimo

Software & IoT Development

Richard Wanjohi

Electronics & Hardware Development



Looking for:

- Agro-advisory partners (in progress)
- UAS Operations partners (in progress)
- Research partners (in progress)
- Co-founders in business and software development



KILIMO ANGA

Why Now? Why Us?



Rising input costs: upto 45% lost due to inefficiency



Food security priority; Maize staple



Tech Accessibility: Cloud credits, local hardware access



Policy Environment:
Climate-smart agriculture



Local Innovation tailored for local farms



Full Stack Solution: End-to-end integration



Deep Domain Expertise:
R&D



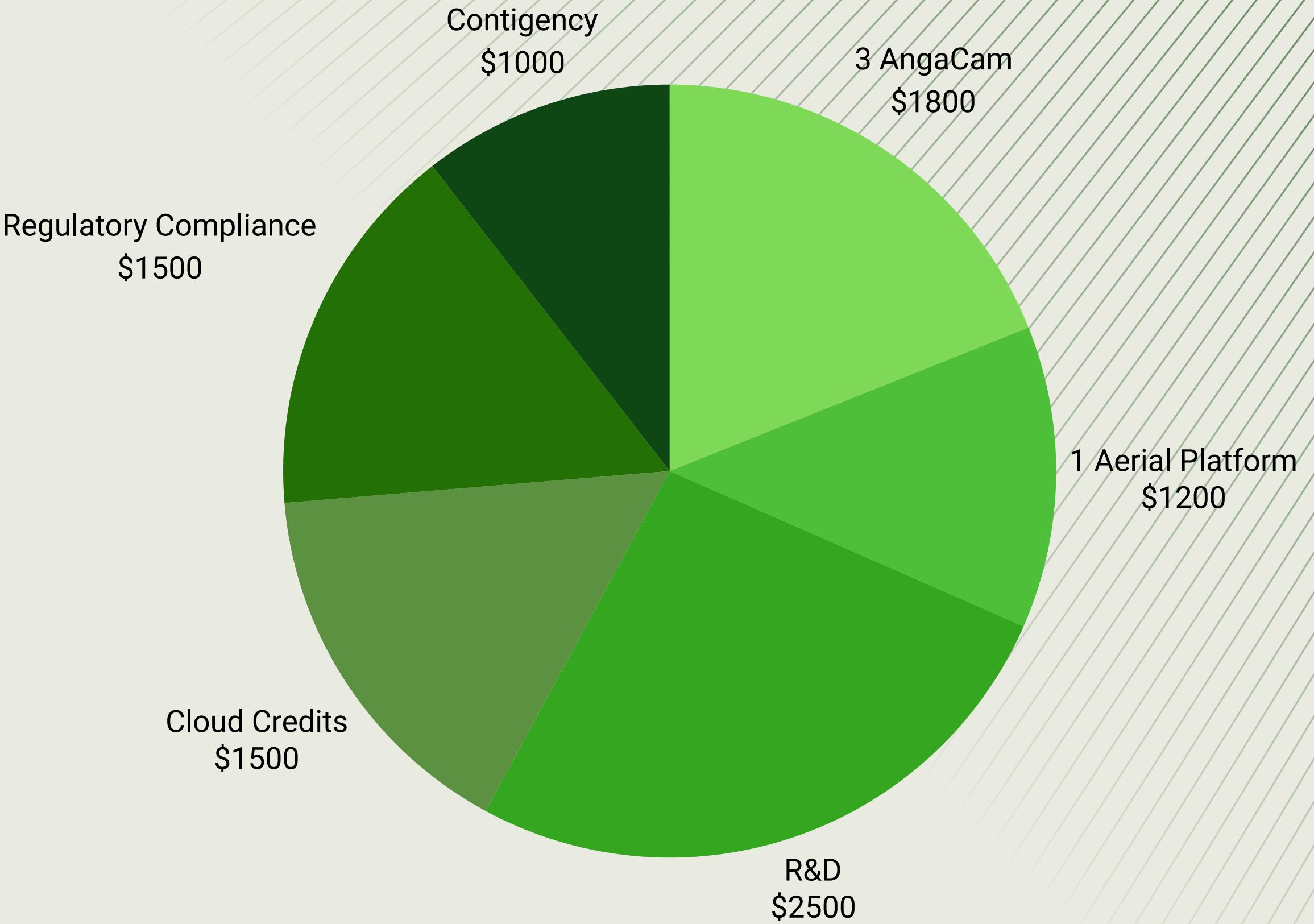
Strategic leverage: UAS partnerships, Cloud credits



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Financial and Ask: MVP & Pilot (3-6 months)

Ask: \$10k





KILIMO ANGA

Vision & Call to Action

From Sky to Soil: Data-Driven Farming Starts Here

Revolutionizing precision agriculture through custom technology, multispectral imaging, and intelligent data analytics for actionable farm insights.



2 ZERO HUNGER



13 CLIMATE ACTION



Partner with us to transform African agriculture



kilimoanga.kipepeo.space



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