# Kilimo Anga by Kipepeo Aerospace

KILIMO ANGA

***From Sky to Soil:***

***Data-Driven Farming***

***Starts Here***

*Revolutionizing precision agriculture for maize farming in Kenya through custom technology and intelligent data analytics for actionable farm insights.*

KILIMO ANGA

KIPEPEO Aerospace

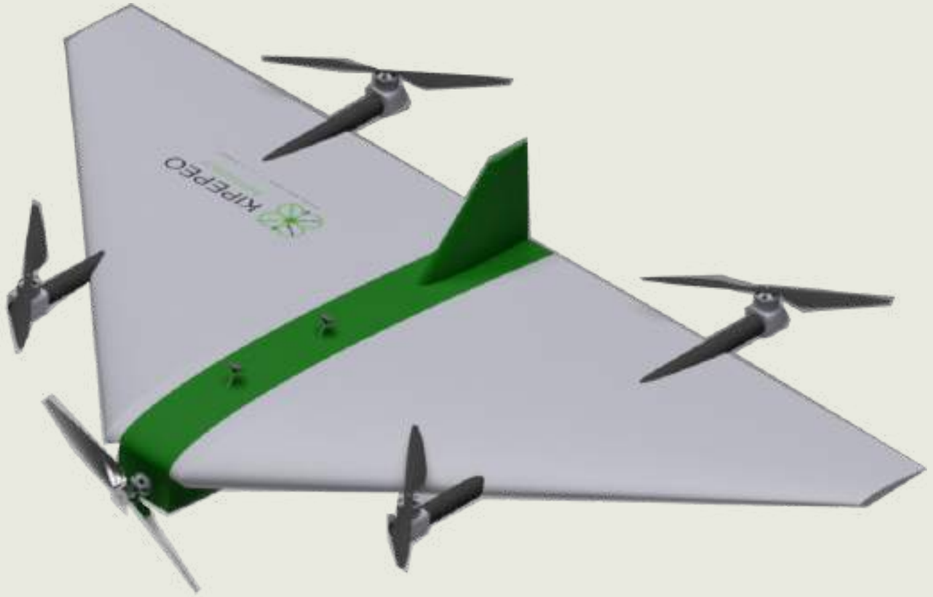
"Precision Aerial Solutions, Grounded in Excellence"

# Kipepeo Aerospace?

KIPEPEO Aerospace

"Precision Aerial Solutions, Grounded in Excellence"

*Building UAS technology for smarter, sustainable solutions*




🔁 Tailored, Modular, Customizable

🧠 Built for Africa, by Africans

💵 Affordable & Accessible

🧩 Ecosystem-Driven

🛠️✈️ Kenya’s firstindigenous OEM

*“From importers to innovators — Kipepeo is Kenya’s leap into aerospace manufacturing“*

# **The Problem:** Maize Farmers are Struggling

KILIMO ANGA

*Maize farmers in Kenya face persistent challenges from **pests and diseases**, alongside significant **input wastage**. These issues drive up production costs, lower farmer incomes, and accelerate soil degradation and environmental harm, keeping yields far below potential.*

**68%** kenyan farmers do maize

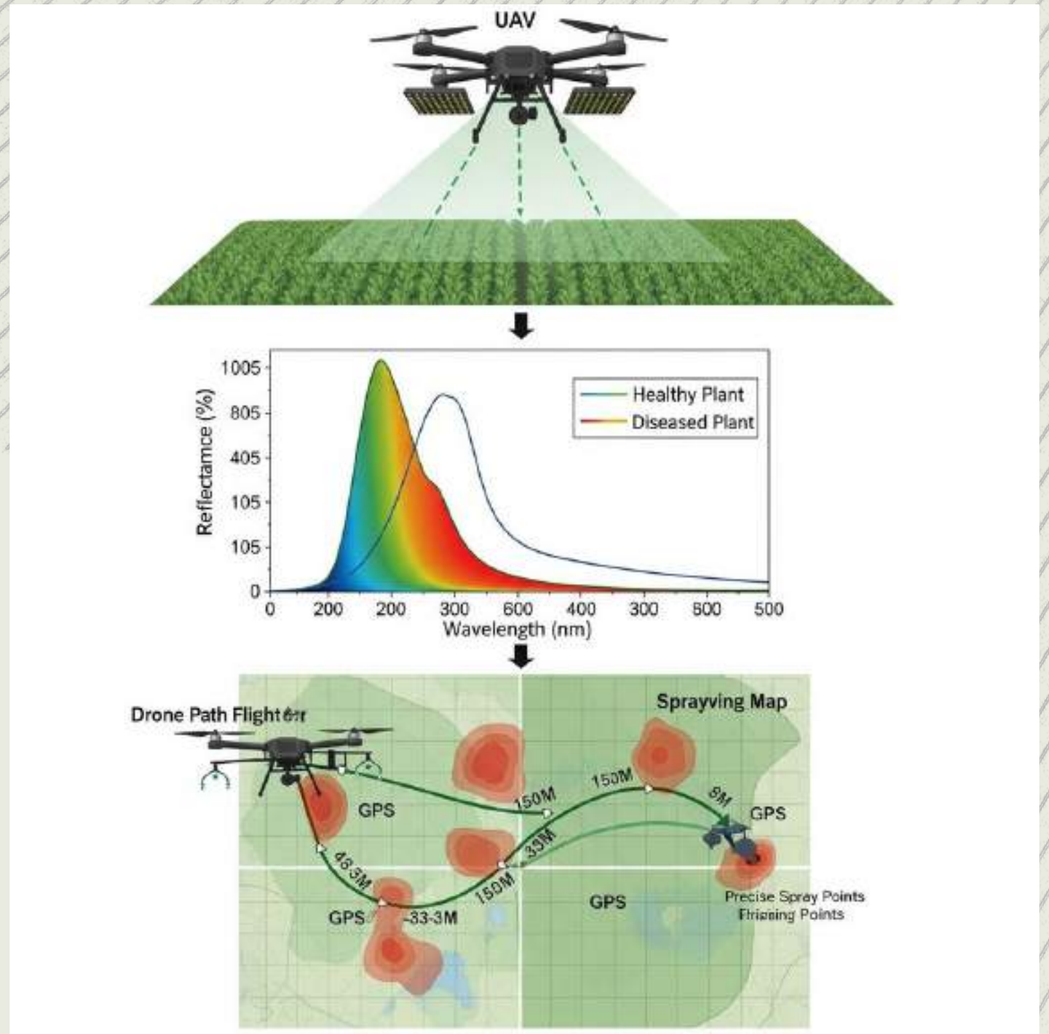
**41%** struggle with pests and diseases

**45%** applied input is wasted

# **The Solution:** Aerial Data Intelligence for Maize Farming

KILIMO ANGA

*Kilimo Anga empowers maize farmers with precise, field-level insights. Using aerial imaging, we* ***identify crop stress zones*** *early, enabling* ***targeted input application*** *instead of wasteful blanket spraying. This approach helps farmers* ***combat pests and diseases*** *before they spread, cut unnecessary* ***costs****, improve* ***yields****, and protect* ***soil health****.*



# **Market Size:** Aerial Data Intelligence for Maize Farming

**Total Addressable Market:**

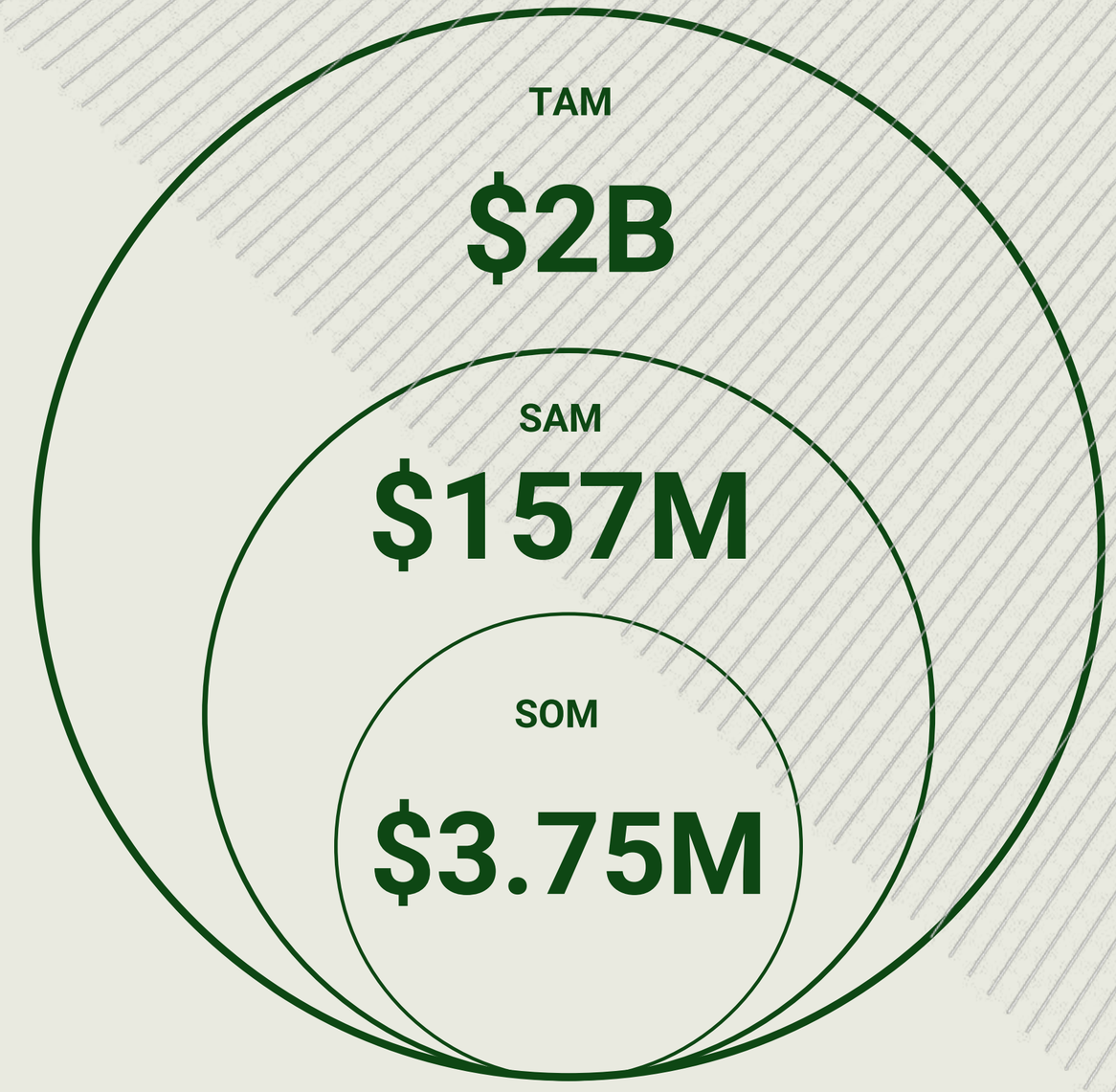
Maize cultivation area in Sub-Saharan Africa → 81.5 million acres (FAO & AfDB)

**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)

# How Kilimo Anga Works

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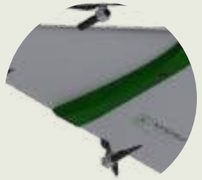

## Launch & Capture

Deploy **AngaCam** to capture high-resolution multispectral imagery across targeted maize farms

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

## Upload & Process

Data is uploaded to **AngaCloud**, where AI algorithms analyze crop health and detect early stress signals.

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

## Analyze & Act

Through **AngaView**, farmers access geo-tagged insights and precision spray maps, guiding targeted interventions.

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

# Business Model

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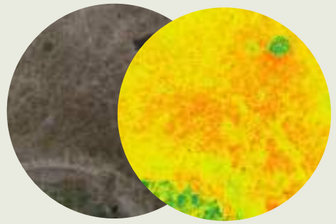
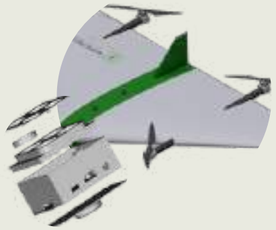


**Software-as-a-Service:** Per-acre scan pricing that leverages AngaCam, AngaCloud and AngaView. This is the core recurring revenue stream, targeting farmers.



**Hardware (Long-term):** Leasing/Sale of the drone and multispectral camera with hardware integration and support.

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

# The People Behind Kilimo Anga

KILIMO ANGA

## Core Team:

### Brian Lembuss, Founder

Engineering & Design
UAV operations

### Brian Kihumba, Co-Founder

Business Development
Sales & Operations

## Consultants & Advisory

**Adrian Kiplimo**
Software & IoT Development

**Richard Wanjohi**
Electronics & Hardware Development

**Patience Kirwa**
marketing and Customer Engagement

**Oliver Ndegwa**
Agronomic Mentorship

**Torooti Mwirigi**
Startup Mentorship & Guidance

**“Join our pilot program. Partner with us to scale precision agriculture in Africa.”**

# Brian Lembuss

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# KILIMO ANGA

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