Early Disease Detection for Pigs

35.8°C

Warning

Livestock diseases cause catastrophic losses
~$2.5 B in annual losses
for Nigerian farmers.

Outbreaks (like African Swine Fever) can wipe out over **50%** of a herd within days.

Farmers often don't spot sick animals until outbreaks are widespread. **A single undetected fever can spark an epidemic.** Reactive measures mean heavy antibiotic use and emergency culling – expensive, ineffective, and harmful to food safety.

Instant alerts to farmers via app/SMS enable swift intervention before a sickness spreads.

Warning! Pig in Pen 3 shows fever — check immediately.

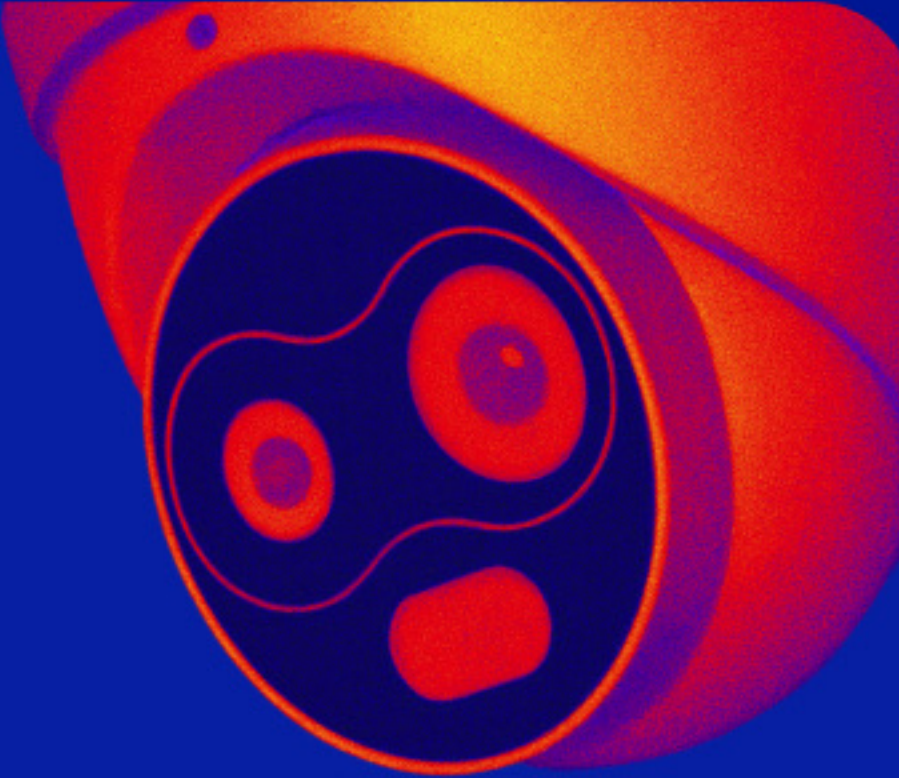Rugged, solar-powered units with offline capability work in remote, low-connectivity farms.

Smart IoT cameras + AI continuously monitor pigs in real time.

Computer vision & audio analysis catch signs of distress: lethargy, coughs, off-feed behavior.

Thermal imaging detects fever and temperature spikes days before outward symptoms.

Step 1
Monitor

Step 2
Detect

38.8°C

Step 3
Alert

35.8°C

Warning

Immediate beachhead

5M+ pigs raised in Nigeria; thousands of mid-sized pig farms are modernizing and need this solution.

Wider region

Sub-Saharan Africa's livestock sector is a **multi-billion dollar** market with growing protein demand and little competition in agri-tech.

Global expansion
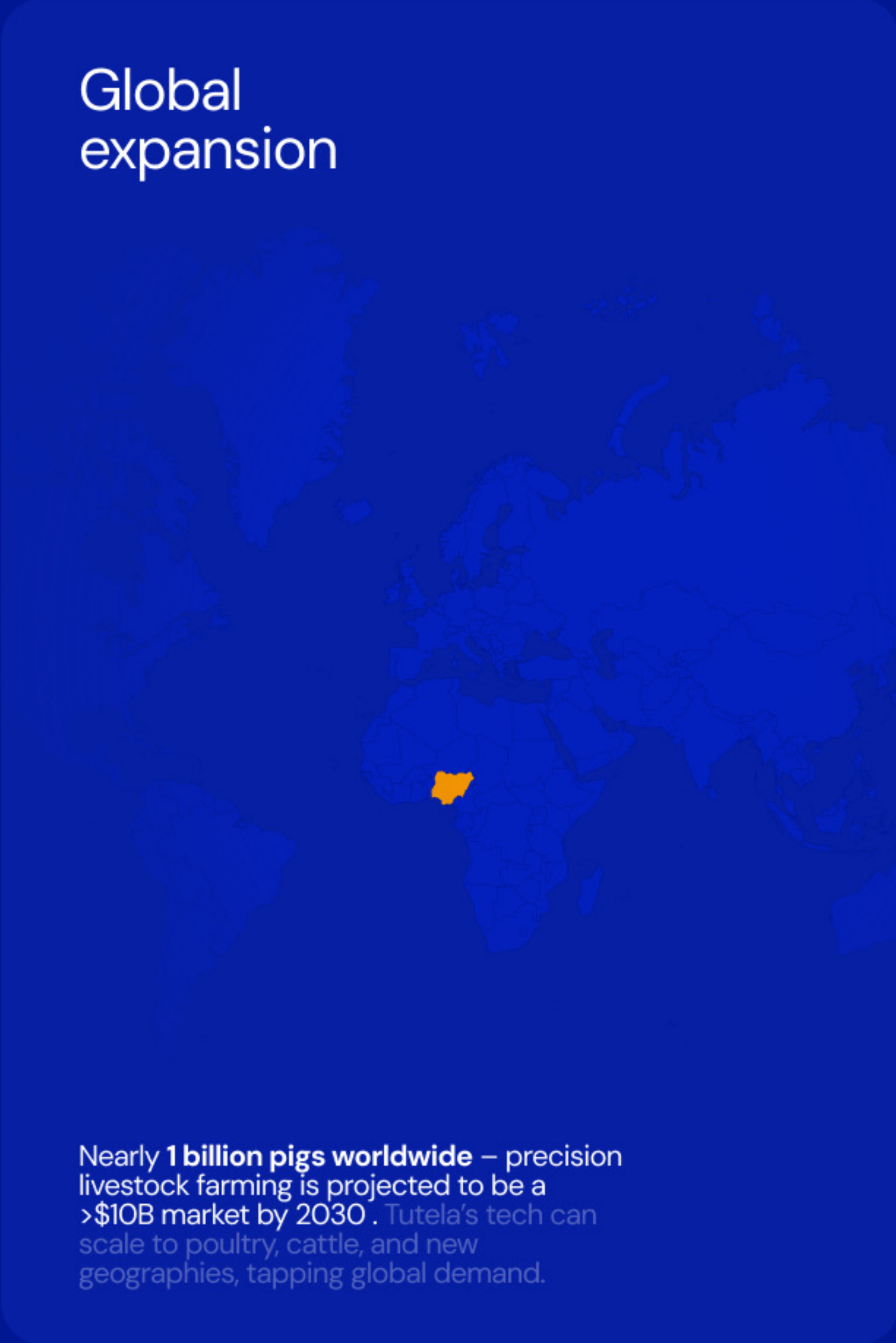
Nearly **1 billion pigs worldwide** – precision livestock farming is projected to be a >$10B market by 2030 . Tutela's tech can scale to poultry, cattle, and new geographies, tapping global demand.
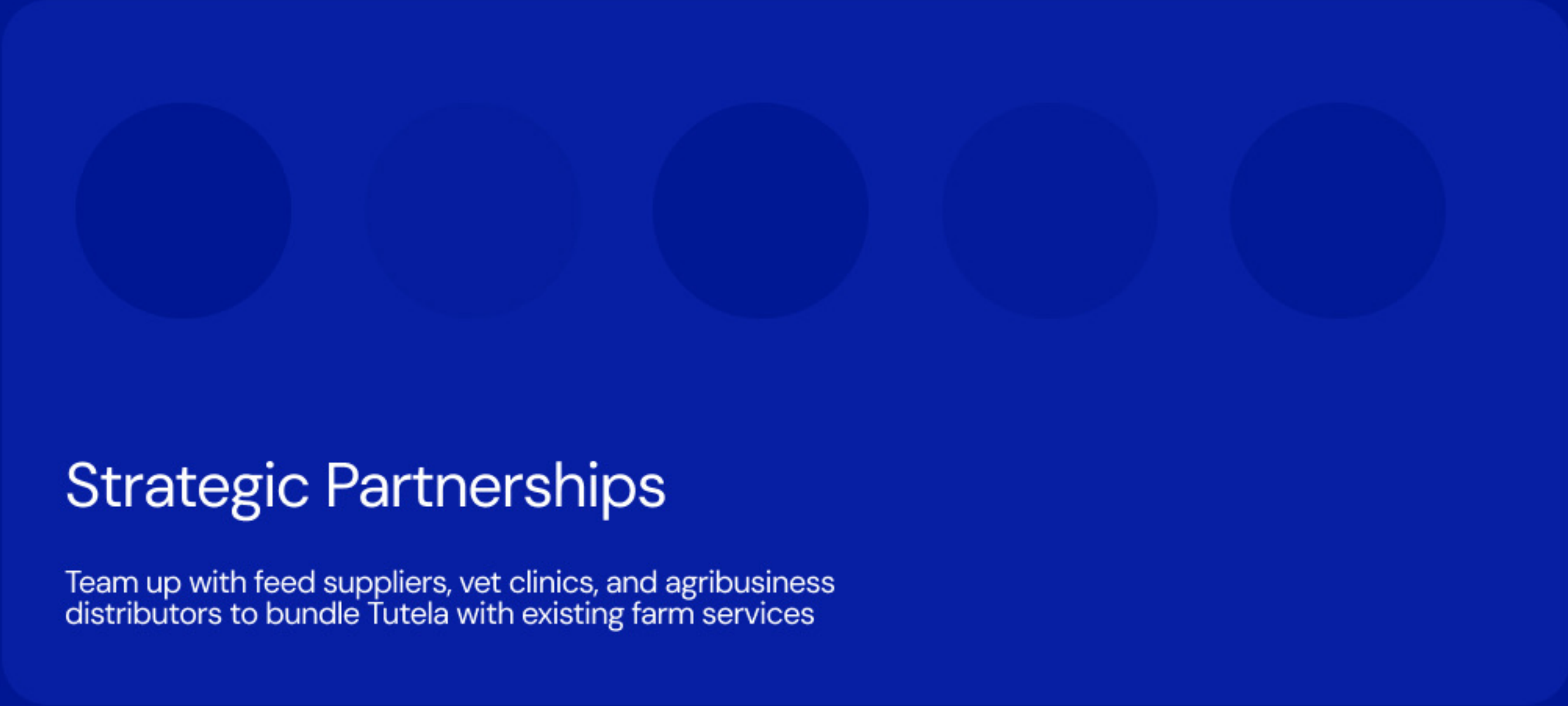
Pilot

Deploy on select partner farms (leveraging our veterinary network) to validate results and create case studies.

Farmer Networks

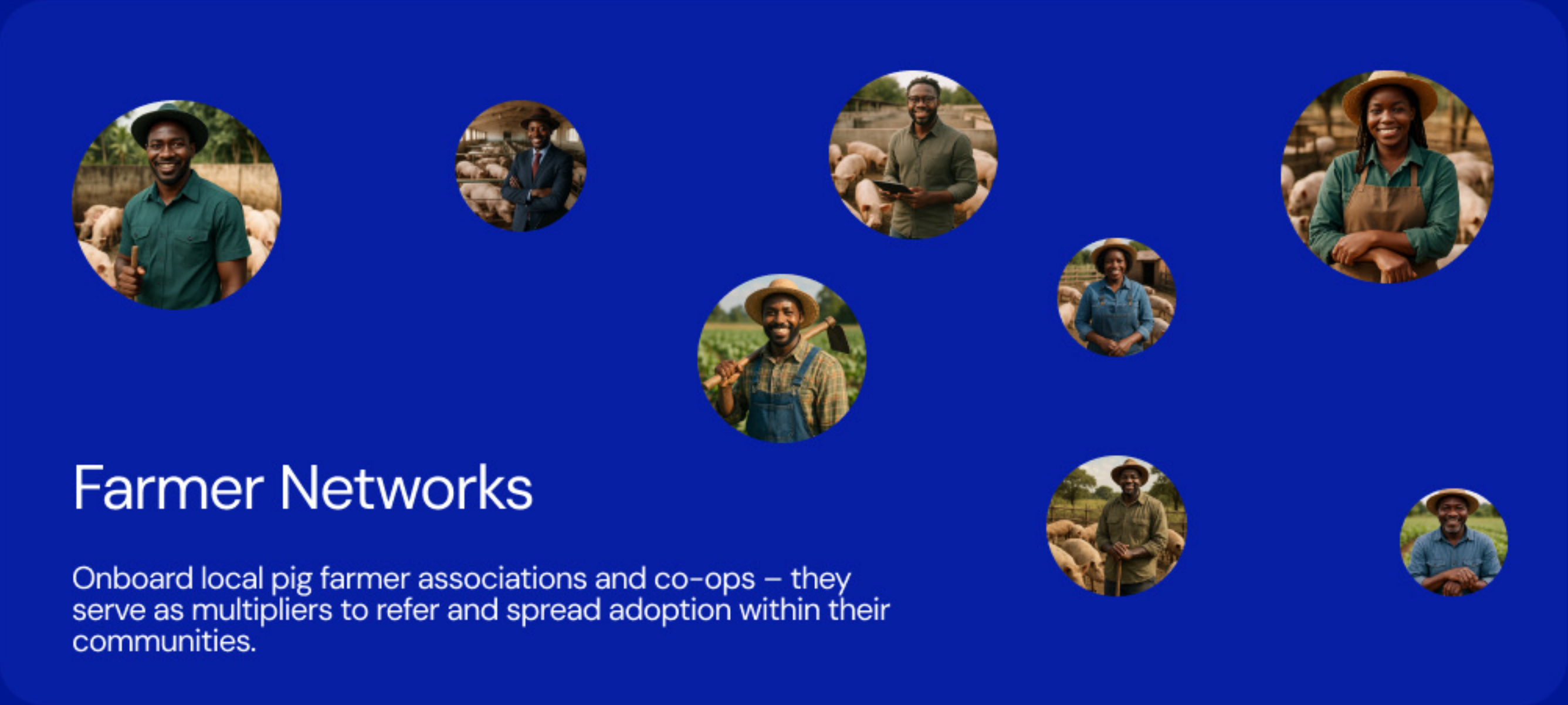Onboard local pig farmer associations and co-ops – they serve as multipliers to refer and spread adoption within their communities.

Strategic Partnerships

Team up with feed suppliers, vet clinics, and agribusiness distributors to bundle Tutela with existing farm services

Field Days

Host on-farm demos and workshops to build trust, showing farmers firsthand how early detection saves money and livestock.

Tutela's edge

First mover in an underserved market. Affordable, multi-sensor approach (thermal + video + audio) with no need for RFID tags. Designed to work in low-resource settings (offline, solar) – unmatched fit for millions of emerging-market farms.

Global players

SoundTalks (EU) has a cough sensor for pigs; China's tech giants (e.g. Alibaba) use AI in mega-farms. These solutions are expensive and geared to large-scale operations or single metrics.

Local alternatives

Few to none. Advisory apps like Evet (Nigeria) offer vet Q&A, and devices like FarmSpeak's PenKeep monitor barn climate – but no one provides direct health detection for pigs in Africa.

Hardware sales or lease

We provide the IoT camera units at ~$600–$1,000 each (one-time or financed).

Subscription SaaS

Farms subscribe for $20–$50/month for continuous AI monitoring, alerts, and support – a low cost relative to the losses it prevents.

35.8°C

Warning
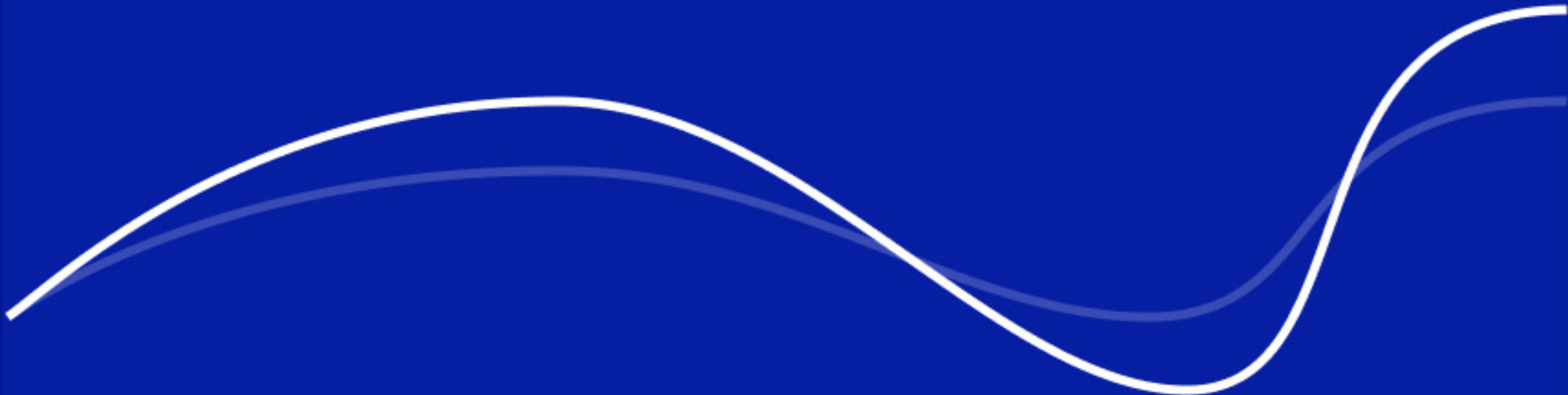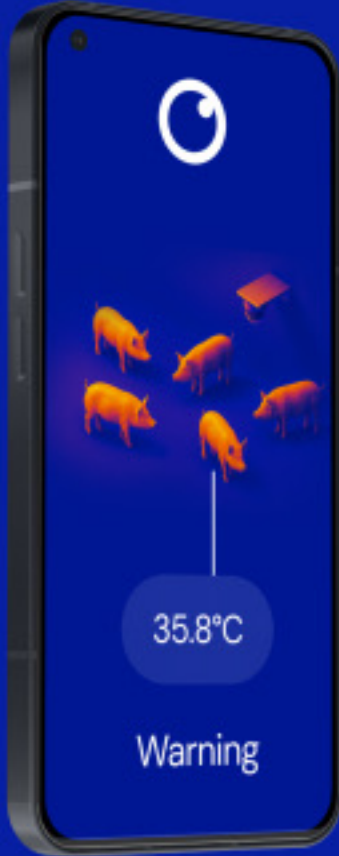
Services & add-ons

Upsell analytics dashboards to large farms or integrators; integrate vet telemedicine services for a fee.

Future revenue

Leverage aggregated animal health data for insights – potential partnerships with insurers, governments (for disease surveillance) and agriculture firms.

February 25'

We reached an agreement with the head of Oke Aro pig farms in Ogun State to introduce our solution (this pig farm is a group of farms and has >100 farmers each with their own small farms within the facility). We can onboard up to at least 30 farmers from there if we need to launch.
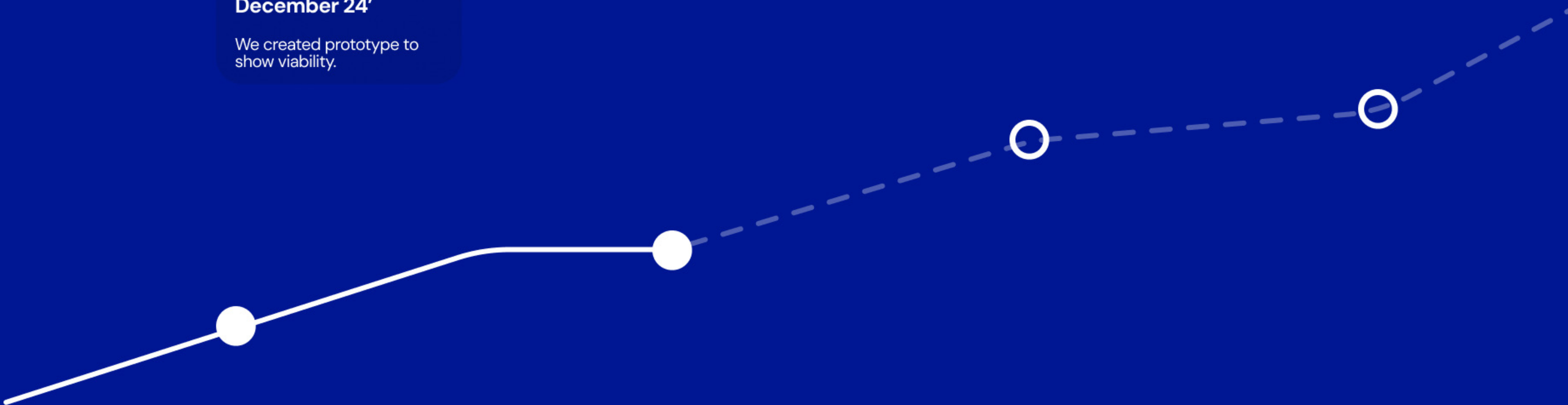
December 24'

We created prototype to show viability.

Founder & CEO

Dr. Ayokunle Morakinyo

Ayokunle is a veterinarian specializing in animal production and livestock health, with expertise in swine production. As the founder of Project Tutela, he brings firsthand knowledge of farm management, biosecurity, and disease prevention. His background in veterinary medicine and agribusiness positions him to bridge the gap between animal health and technology, driving Tutela's mission to revolutionize livestock farming through innovation and data-driven solutions.

Co-Founder & CPO

Iggy Love

Designer, developer, and creative technologist with expertise in UX/UI, motion design, XR, and systems thinking. As the founder of multiple civic and creative technology projects, he brings over a decade of experience shaping products, brands, and immersive experiences. Through Project Earthfarms, he spent two years working directly with regenerative farmers across the US and Europe, prototyping tools and learning about sustainable agriculture firsthand. His background in design, filmmaking, and technology positions him to bridge creativity with system-level innovation, driving projects like Tutela forward with human-centered, data-driven solutions for impact.

Co-Founder & CTO

Godson Ani

Godson Ani is an AI engineer, entrepreneur, and community builder with a deep focus on decentralized technologies. He brings over a decade of entrepreneurial expertise, technical experience in AI healthtech, and pioneering open-source protocols at the intersection of AI and Web3. His work spans scalable vector databases, governance-driven knowledge systems, intelligent AI agents, and access protocols. Guided by a mission-driven approach, Godson is committed to using emerging technologies to solve local challenges in Africa while contributing to global innovation.

Seeking $300,000 in pre-seed funding to fuel R&D for the next 18-24 months

Use of Funds

Hardware production & R&D (from prototype to rugged field units at scale).

On-farm pilot deployments and data collection across multiple regions.

AI platform development (refining algorithms, cloud infrastructure) and hiring key talent.

Go-to-market launch – farmer outreach, partner integrations, and preparing for scale to 100+ farms.

Vision

In 2 years, we aim to be the early-**warning system protecting livestock across Africa** – saving farmers millions and creating a new standard for animal health management.

Join us!

in this mission to make livestock epidemics a thing of the past and build a safer, smarter food supply. **Together, we will set a new standard for livestock health in emerging markets.**