



ReLeaf: AI-Powered Urban Reforestation

Revolutionizing Urban Forestry with
Geospatial Intelligence

Identifying optimal tree planting locations in seconds, not weeks.

Traditional Urban Greening is Broken, Costing Cities Billions.



Environmentally Ineffective

Urban heat islands are raising city temperatures by 1-3°C, increasing flood risk and worsening air quality. Current methods lack the data to maximize impact.



Financially Unsustainable

Manual surveys are slow and expensive.

2-4 weeks

per location

\$5,000 - \$10,000

per analysis



Operationally Crippled

City planners lack modern tools, leading to guesswork, high tree failure rates due to poor site selection, and an inability to scale efforts to meet climate goals.

ReLeaf is the AI-Powered Platform to Intelligently Reforest Our Cities.

An intelligent, production-ready system that identifies and validates optimal tree planting locations in 35 seconds.



Satellite & Aerial Analysis

NDVI vegetation detection, shadow mapping, and building footprint analysis to find potential spots.



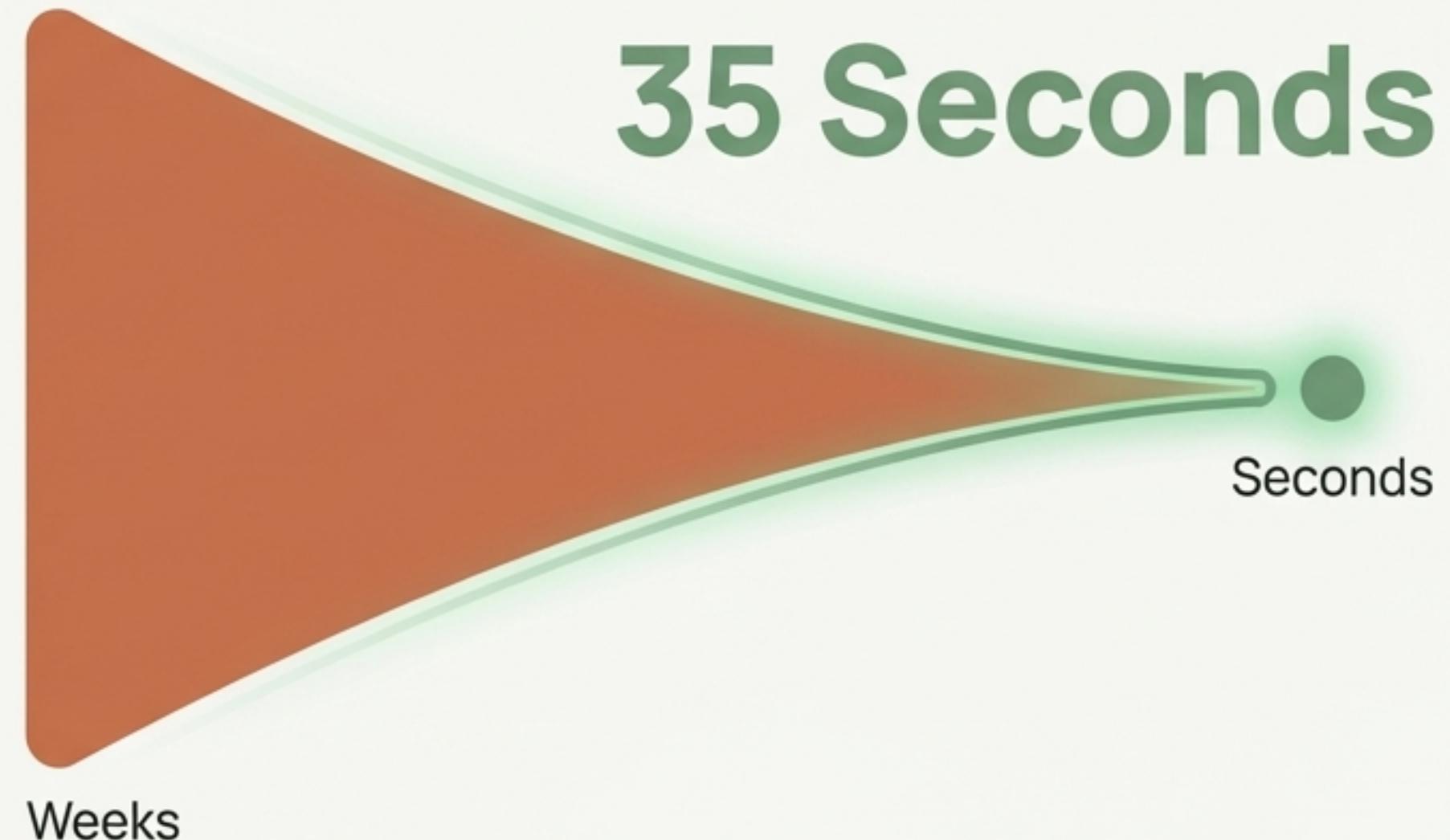
Ground-Level AI Vision

Street View validation using a 14-point assessment framework to confirm feasibility.

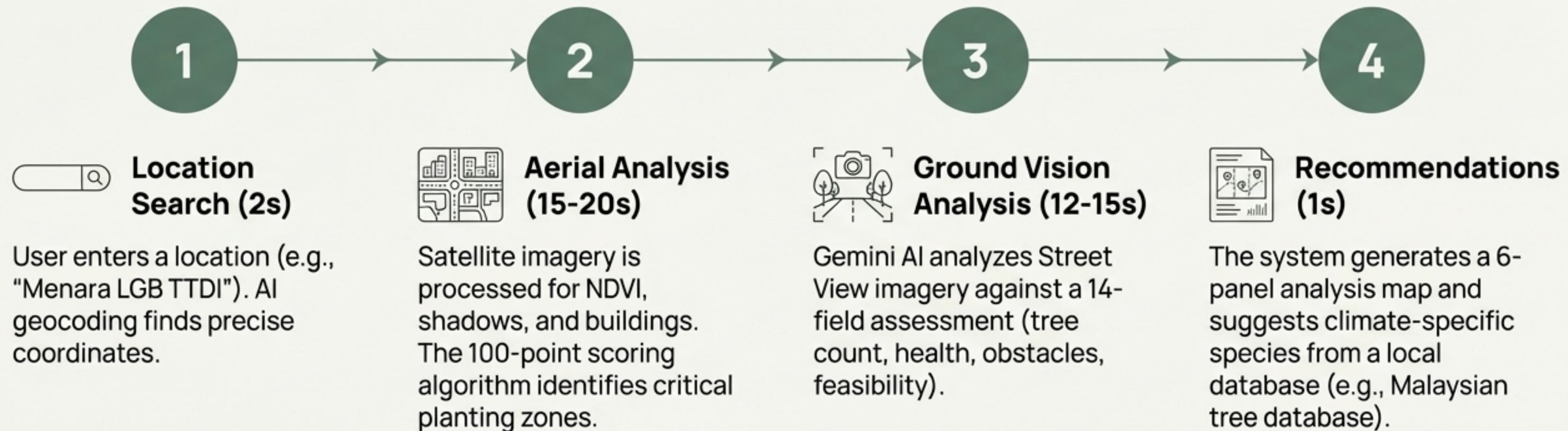


100-Point Priority Scoring

Data-driven recommendations that rank and prioritize the highest-impact locations.



Our 4-Step Automated Workflow Delivers Actionable Insights in Under a Minute.



Total Time: 35 Seconds Per Location.

Our Multi-AI Strategy Delivers Higher Accuracy at a 14x Lower Cost

We use the right model for the right task, avoiding expensive AI where deterministic algorithms are superior.



Satellite Analysis (Simple Task)

Method

Computer Vision (NASA-standard
NDVI, HSV Shadow Detection)

Number

\$0

(no API calls)

Accuracy

100%

(deterministic & reproducible)



Ground Analysis (Complex Task)

Method

Gemini Vision AI

Number

~\$0.0005

per location

Purpose

Nuanced analysis of real-world
obstacles, tree health, and
feasibility.

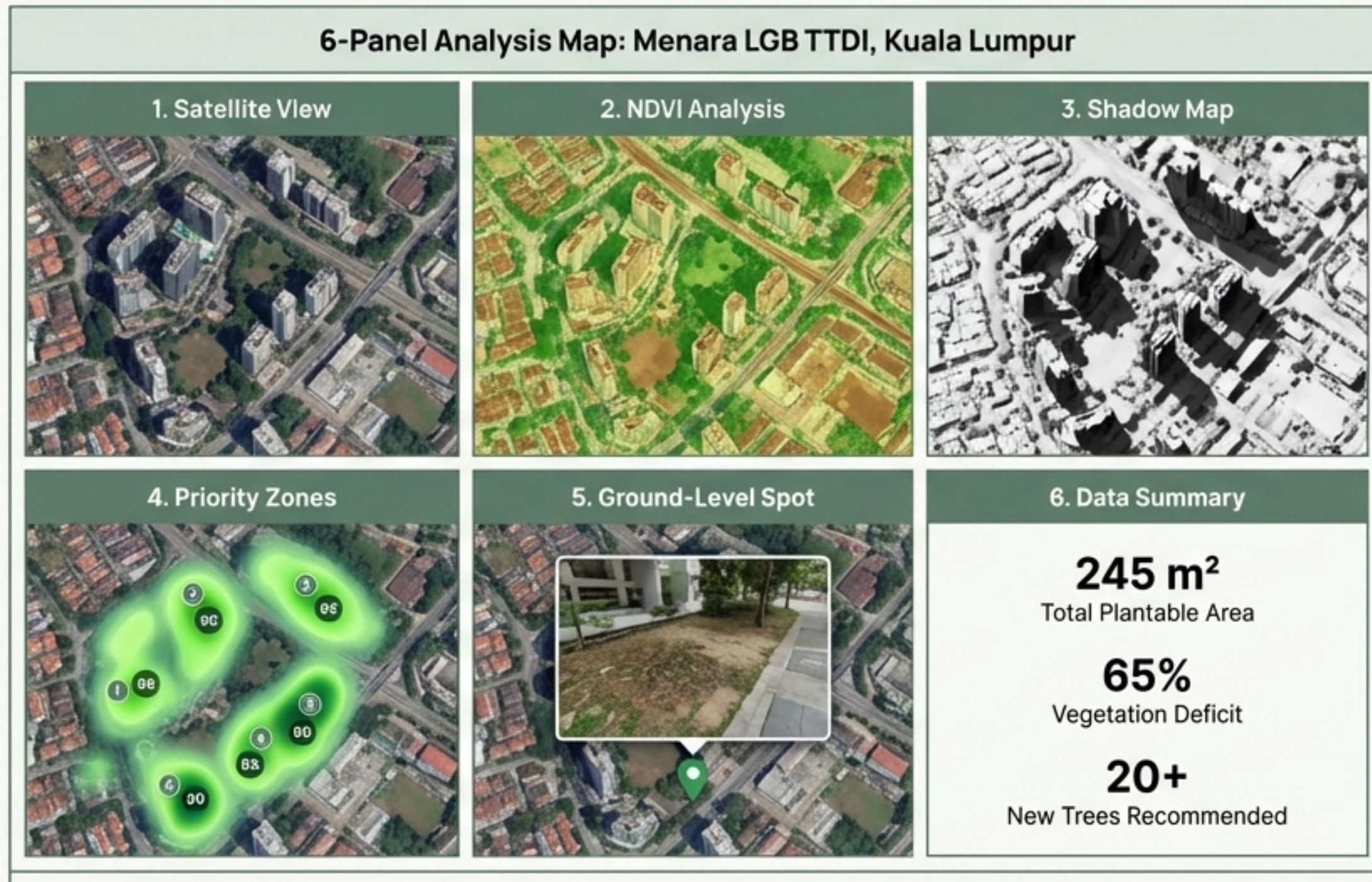
The Competitor Trap

Competitors use a
“one-size-fits-all” AI
approach for everything,
costing them
\$0.10-\$0.30 per analysis.

Our hybrid model is
fundamentally more
efficient.

14X
Cost Reduction

We've Proven Our Performance with Real-World Case Studies.



Menara LGB TTDI, Kuala Lumpur

Key Results

- ✓ Identified **5 critical priority zones** (scores 80-100/100)
- ✓ Mapped **245 m²** of total plantable area
- ✓ Quantified a **65% vegetation deficit**
- ✓ Detected **8 existing trees** and recommended **20+ new trees** with species selection.

Performance Metrics

Total Time: **35 seconds**

Total Cost: **\$0.0115**

(Maps API \$0.011 + Vertex AI \$0.0005)

We Are Targeting a \$73 Billion Market Driven by Global Climate Mandates.

\$73.4B

by 2030 (CAGR 4.8%)

Global Urban Forestry Market

\$622B

by 2027

Adjacent Market: Smart City Technology



Municipal Governments

Climate action plans, heat island mitigation.



Urban Development Firms

Green building certifications, ESG compliance.



Environmental Consultancies

Scaling up tree planting programs.



NGOs & Foundations

Reforestation and community initiatives.

Market Tailwinds

Paris Agreement • ESG Reporting Mandates • EU Green Deal (3 billion trees by 2030) • US Infrastructure Bill

Our Scalable SaaS Model Generates High-Margin, Recurring Revenue

STARTER

\$500/month

- 100 analyses

PROFESSIONAL

\$2,000/month

500 analyses + support

ENTERPRISE

\$10,000/month

Unlimited analyses + integrations

ADDITIONAL STREAMS

- **Government Contracts:** Annual contracts from \$50k - \$500k.
- **Pay-Per-Analysis:** \$5-10 per analysis for smaller projects.

THE ECONOMICS OF A SINGLE ANALYSIS



90%+ Gross Margin on all subscription plans.

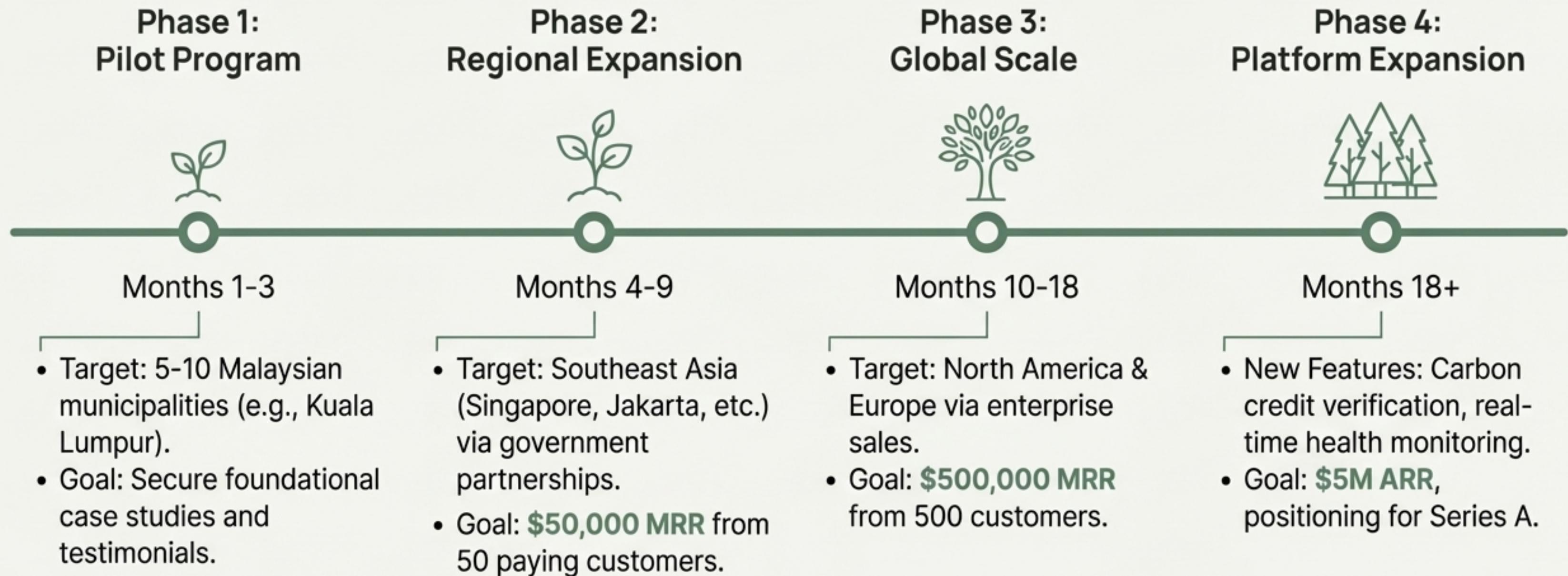
We Have No Direct Competitors Who Match Our Speed, Cost, and Scientific Validity

Feature	ReLeaf	Manual Surveys	Other AI Solutions (Prototypes)
Time per Location	35 seconds	2-4 weeks	5-10 minutes
Cost per Analysis	\$0.012	\$5,000 - \$10,000	\$0.10 - \$0.30
Scientific Validity	NASA-standard NDVI	Varies	Black box AI
Scalability	Unlimited (Auto-scaling)	Limited by staff	Limited by API rates
Production Ready	 Yes	 Yes	 No

Summary of Differentiators

-  Only solution combining proven Computer Vision with advanced Vision AI.
-  Lowest cost per analysis in the market by an order of magnitude.
-  Fully automated, enterprise-grade, and built on Google Cloud.

Our Go-to-Market Strategy Focuses on Validation, Expansion, and Scale



We Have Already Achieved Key Technical and Market Validation Milestones

Product Development

- Fully functional MVP deployed on Google Cloud Run.
- 4-step AI workflow validated end-to-end.
- Tested on 10+ real-world locations in Kuala Lumpur.

Technical Validation

- 35-second** analysis time confirmed.
- \$0.012** cost per analysis confirmed.
- Auto-scaling tested to 50 concurrent requests.

Market Validation

- Positive feedback from urban planners in KL.
- In discussion with **3 pilot city partners**.

Next 6-Month Goals

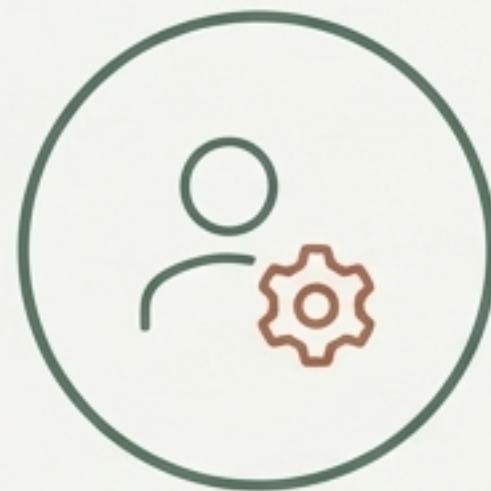
 Complete 5 pilot city programs.

 Achieve **\$50,000 MRR**.

 Secure **50 paying customers**.

We Are the Right Team to Win This Market

Core Team Strengths



Technical Leadership

Deep expertise in AI/ML, Google Cloud Platform (Vertex AI, Cloud Run), and geospatial analysis. Proven ability to ship production-ready systems.



Domain Expertise

Background in urban planning and environmental science. Existing relationships with municipal governments and NGOs.

Strategic Advisors & Partners



Google Cloud for Startups

Access to credits and premier technical support



Malaysian Forestry Department

Partnership for tree species database



OpenStreetMap Community

Geospatial data access and collaboration

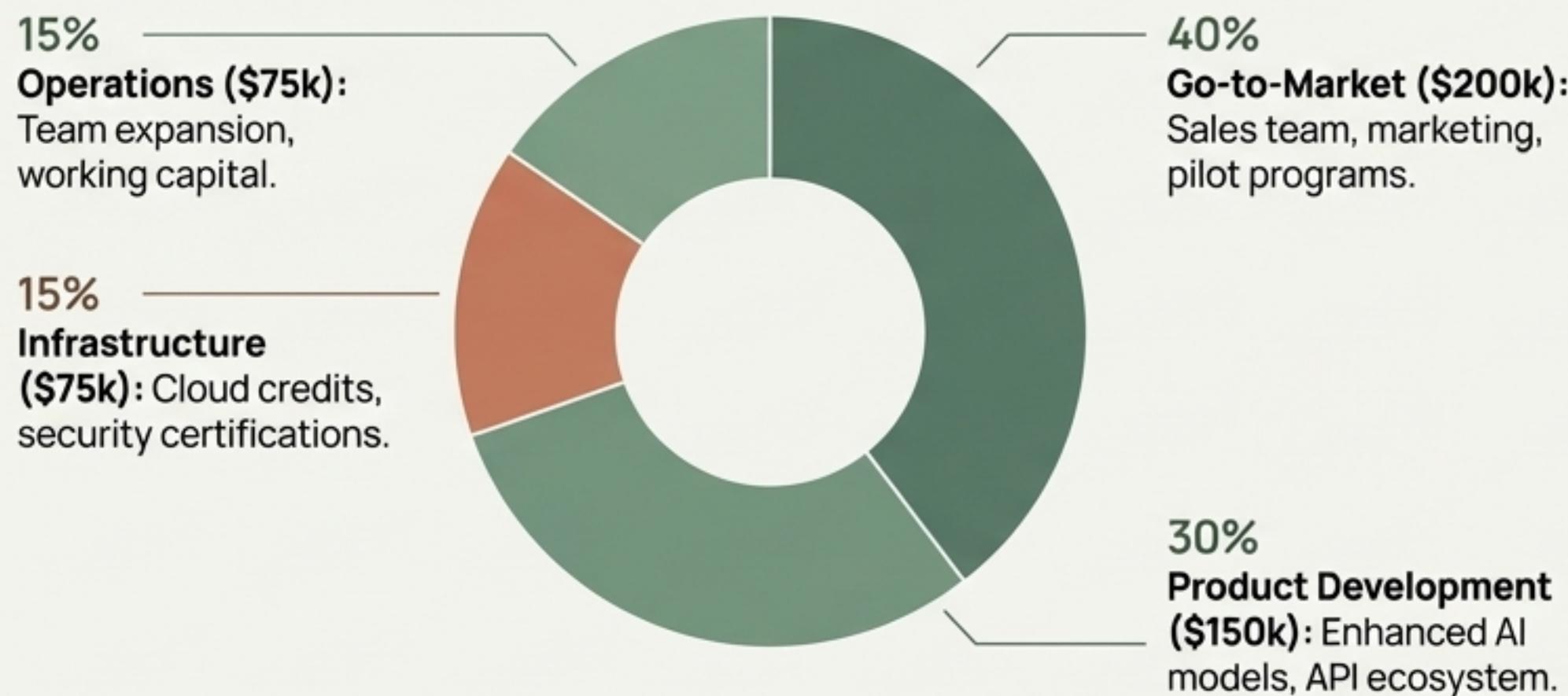
We combine deep tech and deep domain expertise under one roof.

We Are Raising a \$500,000 Seed Round to Capture the Market



The Ask & Use of Funds

\$500,000 for a **12-month runway** to reach \$50k MRR and Series A readiness.



Financial Snapshot



Metric	Projection
Year 1 ARR	\$600,000
Year 3 ARR	\$24 Million
Gross Margin at Scale	93%
Potential Exit Valuation	\$240-360M (10-15x ARR)

The Future of Cities is Green, and It's Being Built with AI Today.

The Convergence of Three Unstoppable Forces



Climate Urgency

Global mandates (UN, Paris Agreement) are unlocking billions in funding for urban greening.



Technology Maturity

The affordability and power of new AI (Gemini 2.0) and cloud platforms make ReLeaf possible now.



Market Demand

The \$622B smart city movement and mandatory ESG compliance create massive commercial pull.

Our Long-Term Vision

Become the Operating System for Urban Forestry, expanding beyond trees to green roofs, wetlands, and biodiversity.

Plant 1 billion trees in cities worldwide by 2030.

CTA: Let's build the future of urban forestry together.

Email: mydrsgdtgti@deloitte.com

Demo: Available upon request