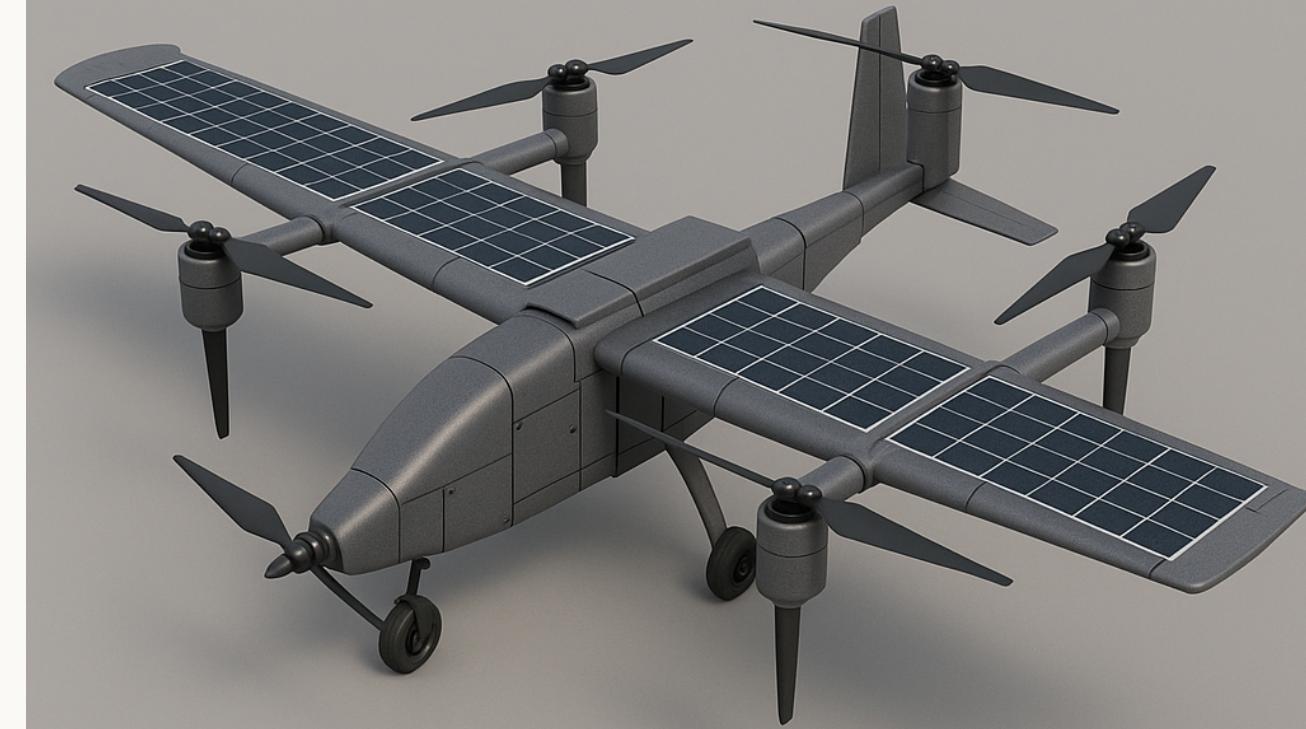


GreenLift AI

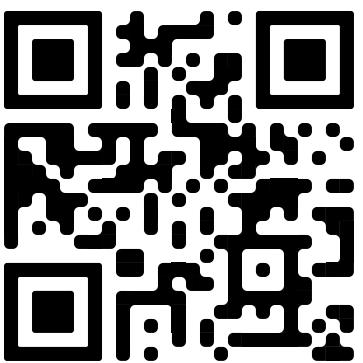
Intelligent VTOL Drone Delivery Ecosystem for SMEs



SOLVIO AI Hackathon 2025 • Team Phantom • Pabna University of Science and Technology

Contact: armanislam527@gmail.com | +8801521751005

Portfolio: [Go To Link](#)



Meet Team Phantom

Four innovators from Pabna University driving intelligent logistics transformation across Bangladesh.



Parvez Ali

Team Lead & Software Engineer

- Rust expert
- ICPC Regionalist
- built online judge platforms

[GitHub](#) | [Linkedin](#) | [NID](#)



Arman Islam

Technical & Idea Supporter

- WRO 2025 participant
- Autonomous systems specialist
- Embedded system

[GitHub](#) | [Linkedin](#) | [NID](#)



Lamia Islam

Marketing & Presentation Specialist

- Published researcher in ML applications

[GitHub](#) | [Linkedin](#) | [NID](#)



MD Basim Al Zabir Shammo

AI & Research Specialist

- AI researcher with multiple publications in computer vision
- Robotics Workshop

[GitHub](#) | [Linkedin](#) | [NID](#) | [Google Schooler](#)





The Challenge for Bangladesh's SMEs

Small and medium enterprises face critical logistics barriers that limit growth and sustainability potential across the nation.

Last-Mile Inefficiency

89% of SMEs struggle with costly, unreliable final-delivery logistics that drain operational budgets.

Monsoon Vulnerability

91% report severe delivery delays during rainy seasons, creating supply chain chaos and customer dissatisfaction.

Cost Burden

Logistics consume 18-25% of SME budgets, leaving limited resources for growth, innovation, and sustainable practices.

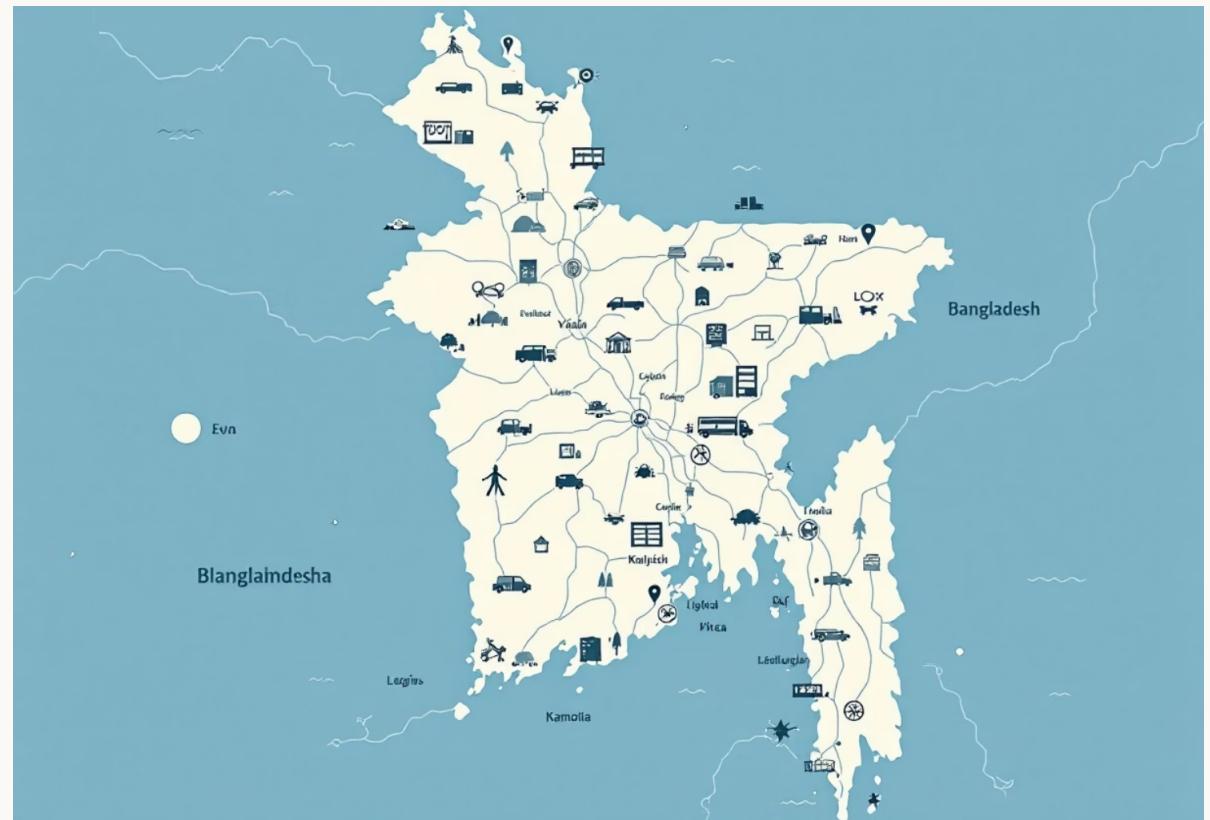
Data Blindness

73% lack business intelligence tools, missing critical insights on demand patterns, inventory optimization, and customer behavior.

Market Opportunity & Growth Potential

Bangladesh's SME sector represents an extraordinary opportunity for intelligent logistics innovation:

- 10.4 Million SMEs**
Representing the economic backbone of Bangladesh
- 78% Underserved**
Located in areas with inadequate logistics infrastructure
- Explosive E-Commerce Growth**
Rapidly expanding digital retail sector demanding reliable solutions
- Sustainability Imperative**
Growing demand for carbon-neutral delivery aligned with climate goals



Market Size: \$10+ billion logistics opportunity

GreenLift AI: The Integrated Solution

A comprehensive hardware-software ecosystem designed specifically for SME logistics transformation.

Solar-Powered Drones

Renewable energy eliminates fuel costs and environmental impact

Zero-Carbon Delivery

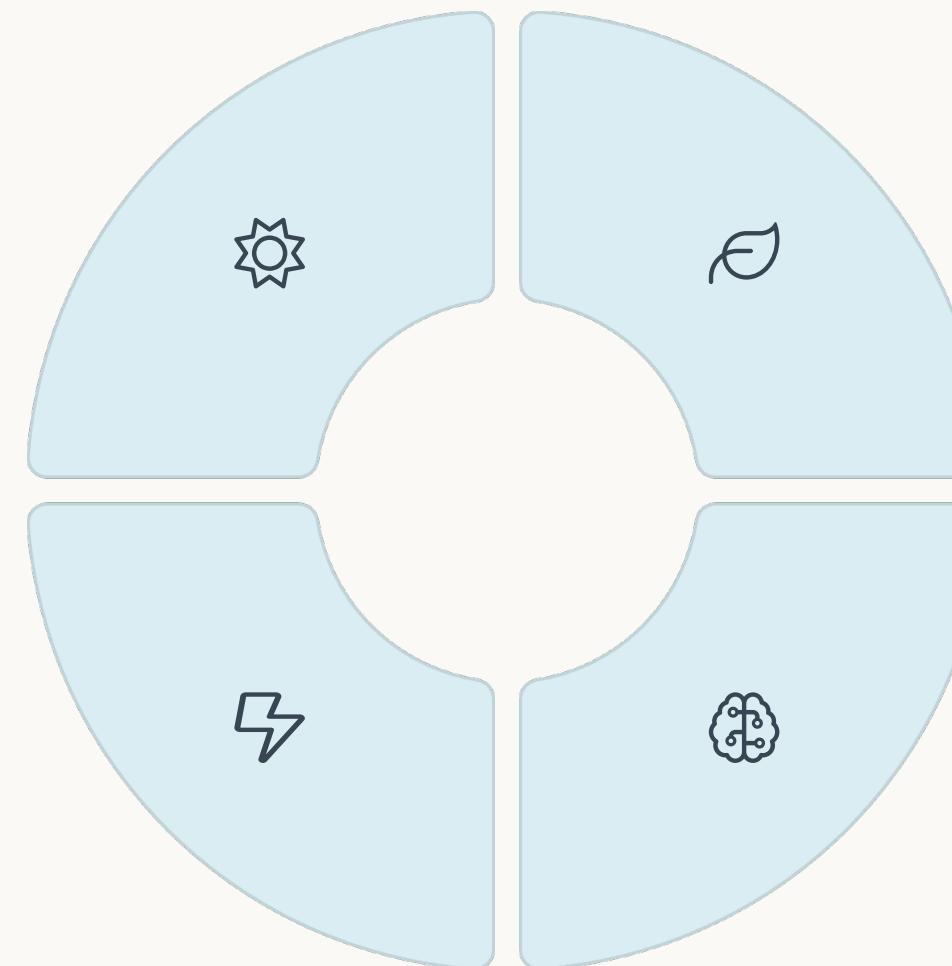
Sustainable operations aligned with climate commitments

One-Time Setup

Minimal investment with rapid ROI for budget-conscious SMEs

AI Dashboard

Real-time intelligence for smarter business decisions



AI Integration & Competitive Advantage

Machine learning powers intelligent decision-making across the entire delivery ecosystem, transforming data into actionable insights.

1

Demand Forecasting

Predictive analytics anticipate customer needs and optimize inventory levels proactively.

2

Route Optimization

AI calculates fastest, most efficient delivery paths reducing time and energy consumption.

3

Autonomous Operations

Automated decision-making reduces manual oversight while maintaining safety and compliance standards.

4

Smart Inventory

Real-time inventory synchronization prevents stockouts and reduces wasteful overstock scenarios.

5

Personalized Experiences

Customer-centric insights enable tailored services that build loyalty and competitive differentiation.

Product Demo & Key Features

GreenLift AI brings intelligent drone delivery to life through an intuitive, AI-powered platform. Watch as our system orchestrates real-time operations, from dispatch to delivery confirmation.



Real-Time Tracking

Monitor every flight with live GPS positioning and predictive arrival estimates



SME Dashboard

Intuitive control center for scheduling, dispatching, and performance monitoring



Automated Scheduling

AI-optimized delivery routes reduce delays and maximize daily capacity



Business Analytics

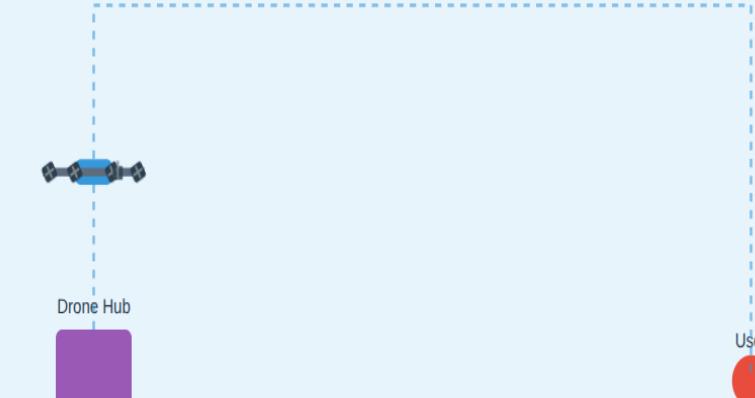
Comprehensive reports on efficiency, profitability, and customer satisfaction

Go to Homepage

Go to Map Simulation

Start Simulation

Reset



Server Connection: ONLINE

Solar Power: 85%

Backup Battery: 100%

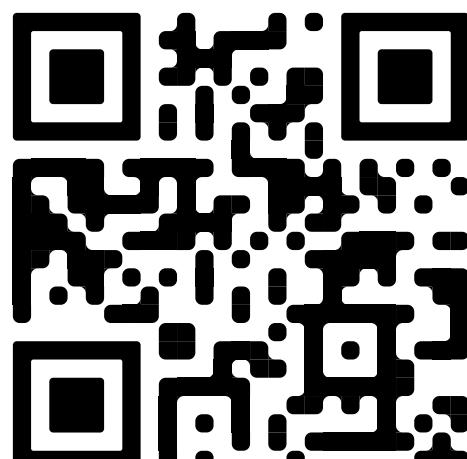
Status: Taking off vertically...

Delivering 0.5 kg package. Drone en route.

Click the link below or
scan the QR code



[Simulate](#)



Unique Value Proposition

GreenLift AI stands apart by combining environmental responsibility with unmatched operational efficiency. What makes us different isn't just technology—it's a fundamentally better business model for SMEs.

Zero-Carbon Operations

Solar-powered fleet eliminates fuel costs and carbon emissions, aligning with global sustainability goals while boosting brand value

No Wage Burden

One-time equipment investment replaces ongoing driver salaries. Autonomous operations reduce labor dependency and improve margins

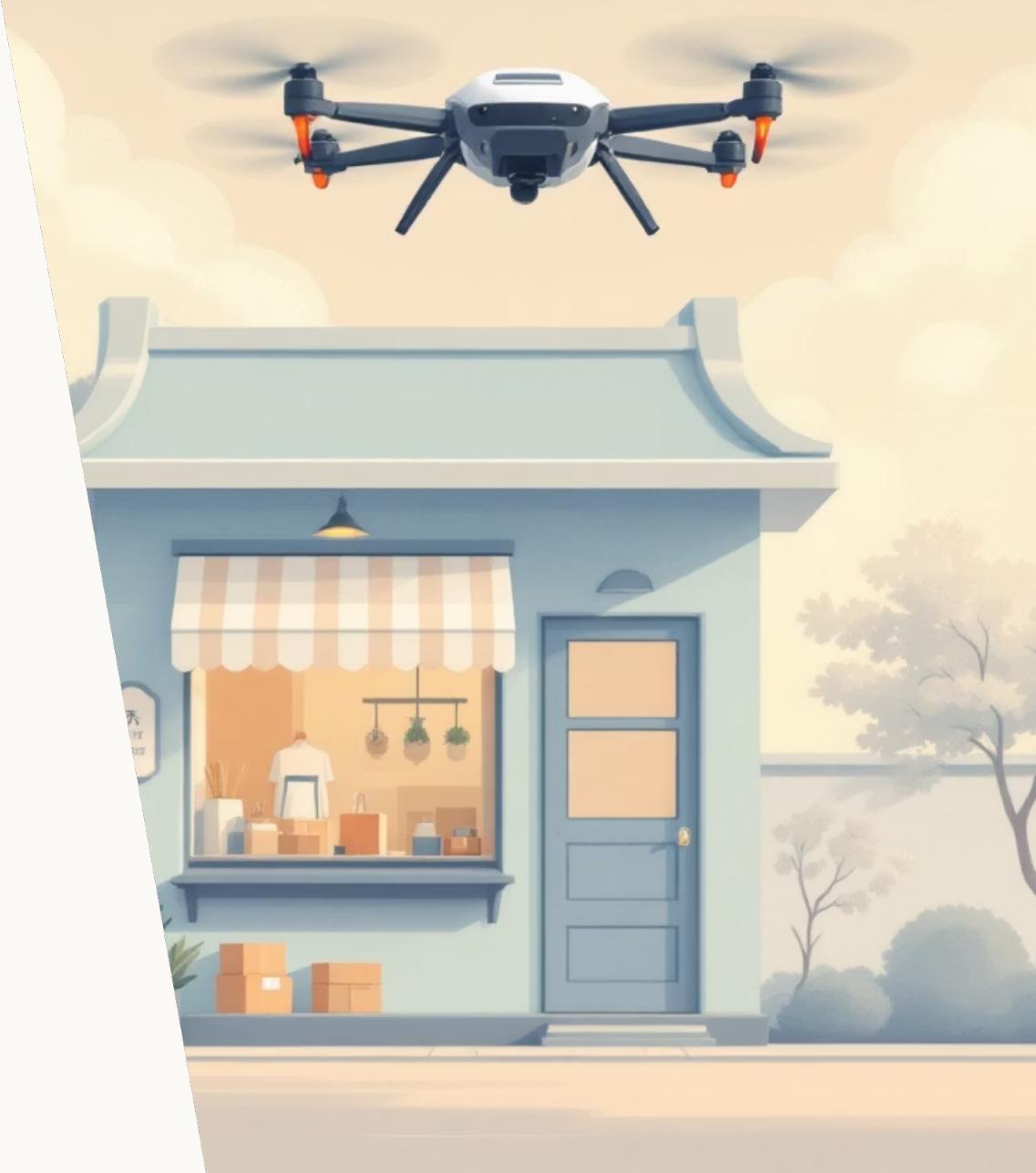
Integrated AI Analytics

Predictive insights optimize delivery routes, weather planning, and demand forecasting in ways traditional logistics cannot match

Weather Resilience

Advanced sensors and AI modeling enable safe operations in challenging conditions where traditional methods struggle

The Result: Faster deliveries, lower costs, competitive advantage—all without environmental compromise.



Business Model & Revenue Strategy

GreenLift AI generates revenue through multiple streams, creating predictable income while remaining flexible to SME budgets and operational scales.

Pay-Per-Delivery

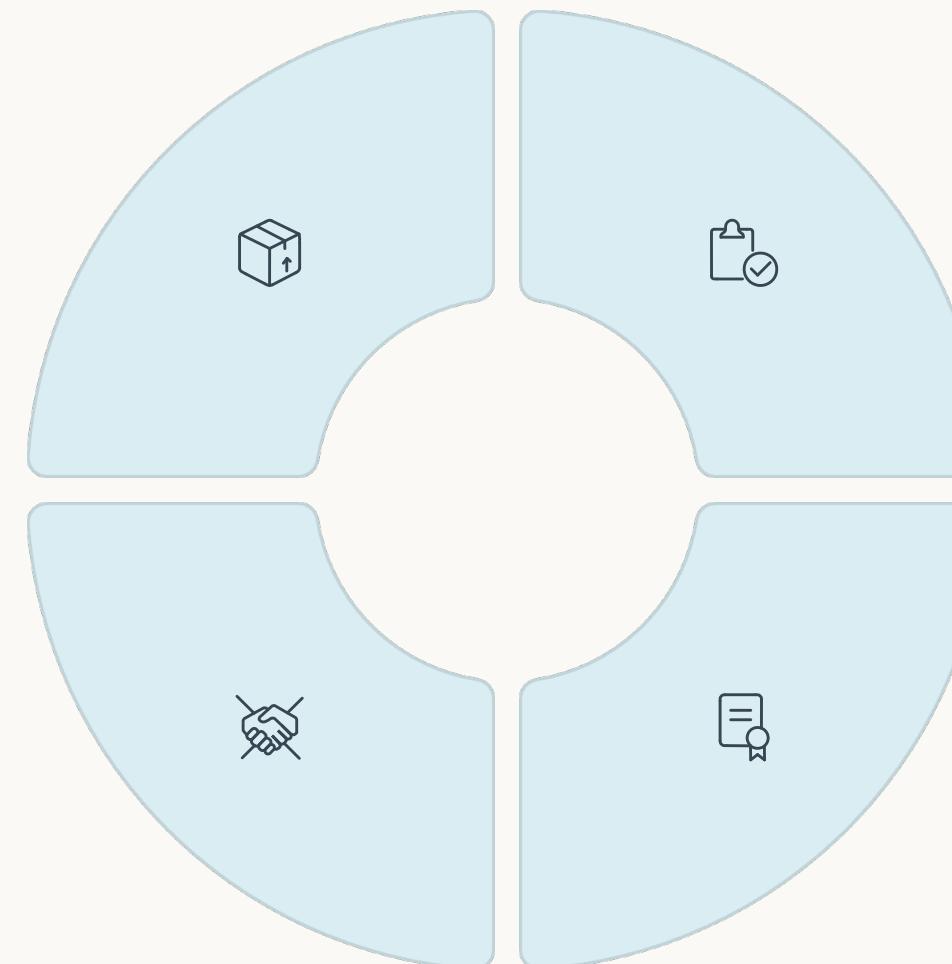
15–30 BDT per delivery

Variable revenue scales with transaction volume, aligned with customer success

Strategic Partnerships

Revenue sharing with e-commerce and logistics platforms

Co-branded solutions expand reach and market credibility



AI Dashboard Subscription

500–2,000 BDT/month

Recurring revenue for analytics, scheduling, and premium features

Fleet Leasing

Equipment-as-a-Service model

Maintenance and support included; lowers customer capital requirements

Go-to-Market Strategy

Our phased approach targets high-density SME clusters while building proof-of-concept and regulatory credibility. Rapid scaling follows successful pilot validation.



Pilot Launch

Pabna district: Deploy 10-15 drones across 50 SME partners



Strategic Partnerships

Align with business associations, e-commerce platforms, and local retailers for distribution and credibility



Digital Marketing

Targeted campaigns, case studies, and influencer partnerships within SME networks



Referral Program

Incentivize early adopters to drive organic growth and peer adoption



Financial Projections

Conservative growth projections demonstrate clear path to profitability and scale. Based on pilot results and market adoption rates.

Financial Projection Overview:

Year 1: No revenue —

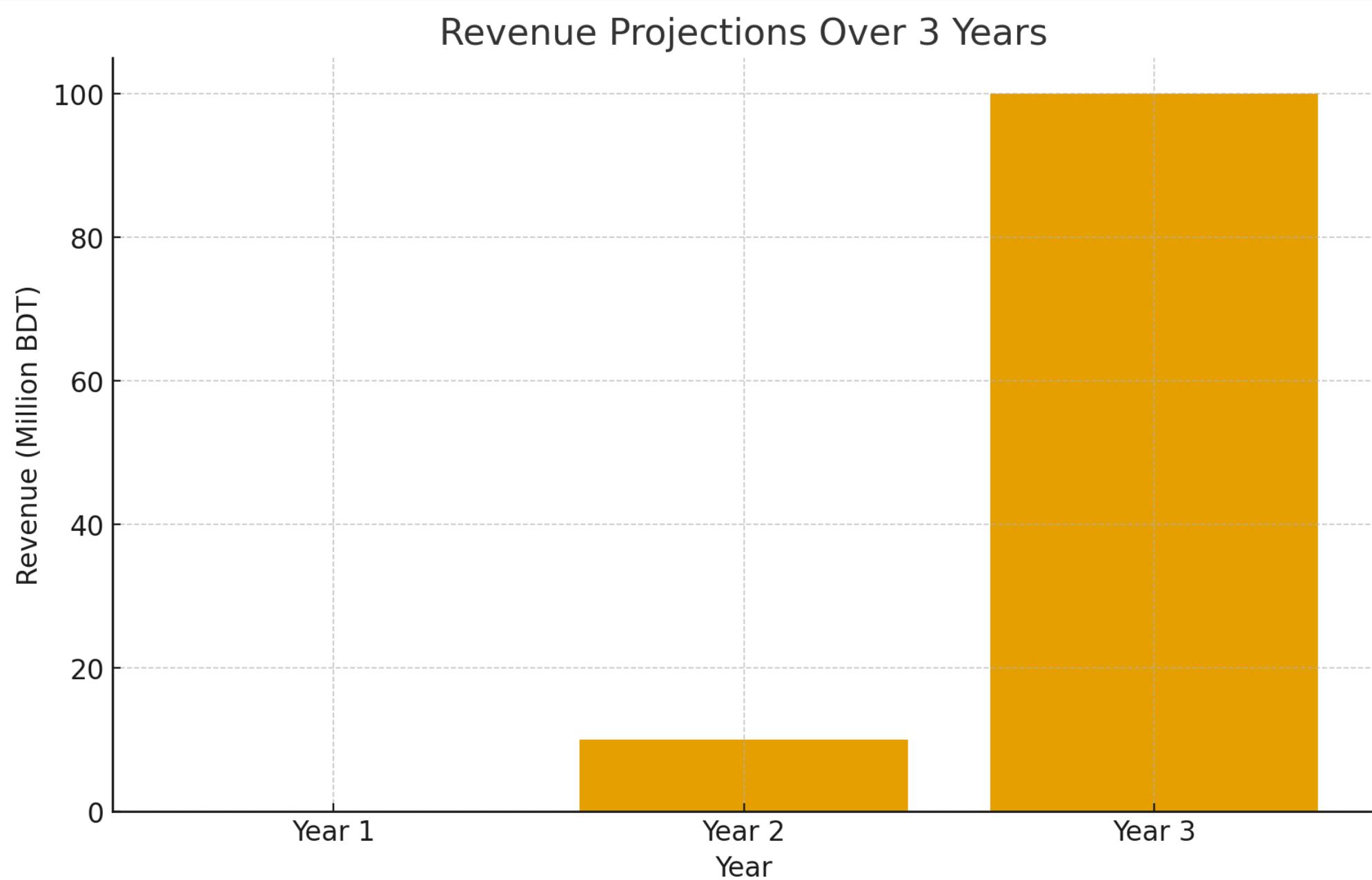
- focus on R&D
- drone testing
- BVLOS regulatory clearance
- operational piloting.

Year 2: Revenue begins with:

- SME logistics contracts
- pharmacy cold-chain delivery
- campus cargo corridors
- and initial partner onboarding.

Year 3: Commercial scale-up with:

expanded fleet & multi-district
autonomous drone corridors.





Next Steps & Our Ask

1 Prototype Completion

Final hardware integration and software refinement by end of Q2 2024

2 Field Testing & Validation

Real-world performance testing with regulatory bodies and select partners

3 Regulatory Approval

Secure airspace permits and operational certifications in Bangladesh

4 Pilot Launch

Full deployment in Pabna with 50 SME partners by Q4 2024

Our Ask: We are seeking **10M BDT investment** to accelerate prototype completion, regulatory approval, and pilot execution. This capital directly funds our path to market leadership across Bangladesh and positions GreenLift AI as the definitive SME drone delivery platform in South Asia.

Contact & Learn More: armanislam527@gmail.com