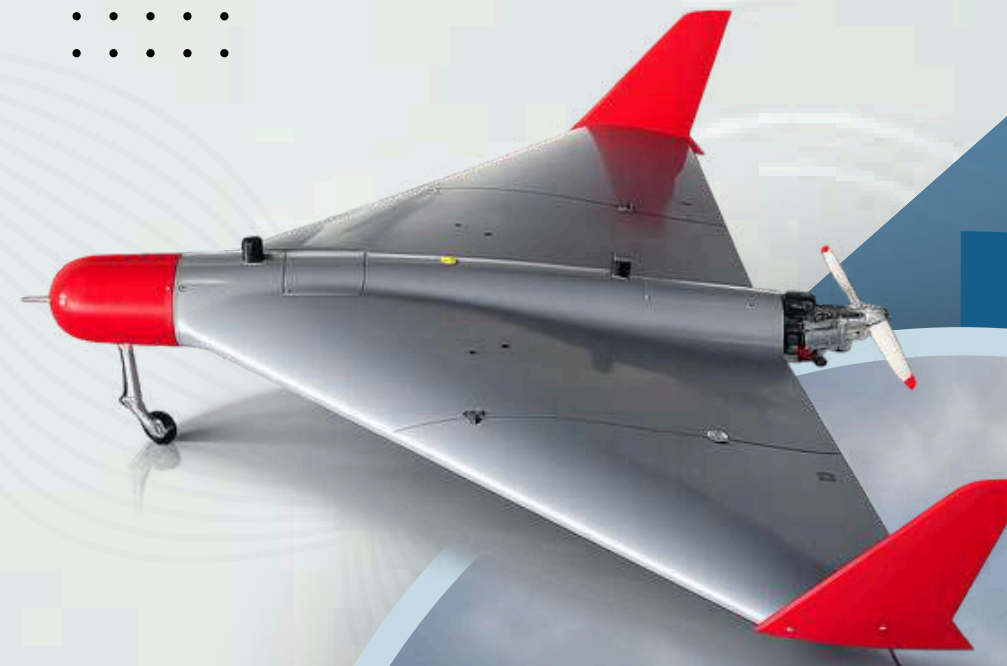
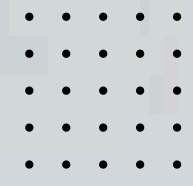
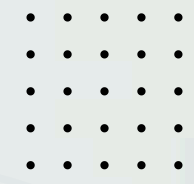




DEFENCE SALES PROPOSAL

Advanced UAV & Counter-UAS Solutions

Presented By:
Vaimanika Aerospace





Executive Summary

Vaimanika Aerospace is an emerging leader in advanced UAV systems, counter-drone technologies, and AI-driven aerial solutions, delivering mission-ready platforms for modern defence requirements.

Our Solutions are Designed to Enhance:

- ✓ Operational Superiority
- ✓ Situational Awareness
- ✓ Force Protection
- ✓ Autonomous Mission Capability





DEFENCE PRODUCT PORTFOLIO OVERVIEW

Advanced UAV & Tactical Systems for Modern Warfare

1

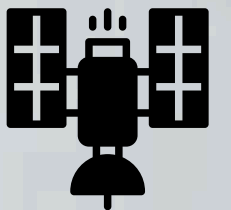


VA Dropper Drone

Heavy Payload Strike UAV

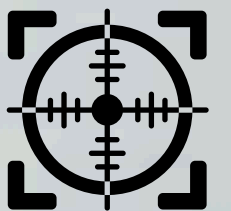
Key Specifications:

Payload Capacity:
Up to 80-100 kg class



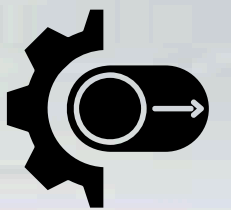
Use Case:

Precision payload delivery:
Tactical strike missions



Core Features:

RTK-enabled navigation
Swarm capability (up to 100 UAVs)
High thrust coaxial system
(113 kg thrust)



- Tactical Payload Deployment
- Battlefield logistics
- Precision strike operations

2



VA Kamikaze Drone

High-Speed FPV

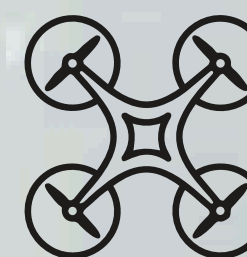
Key Specifications:

Speed:
Up to 300 km/h



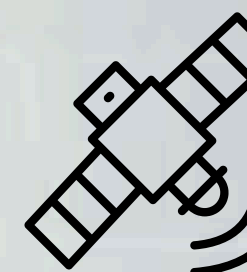
Use Case:

Time-critical target engagement
Deep penetration strike missions



Core Features:

Range: 300–350 km
Payload Capacity: Up to 2 kg)
Compact & agile FPV system



- Precision strike mission
- **Anti-armor operations**
- High-speed offensive operations

B. Long-Range Surveillance & Recon UAVs



3

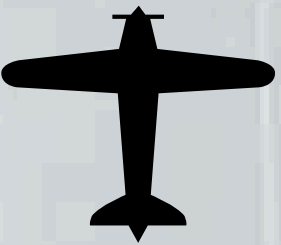


P1 Gasoline UAV

Long-Endurance UAV

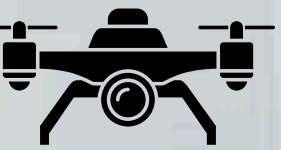
Key Specifications:

Range:
600–1000 km



Use Case:

Wide-area aerial monitoring
Persistent intelligence gathering



Core Features:

Endurance: 6–10 hours
Payload Capacity: Up to 10 kg
Long-range communication capability



- Border surveillance
- Long-endurance ISR missions
- Target tracking

B. Long-Range Surveillance & Recon UAVs



4

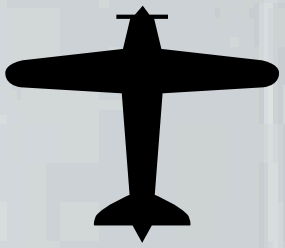


VA Shakti-1

Fixed-Wing UAV – 100 KG Payload Class

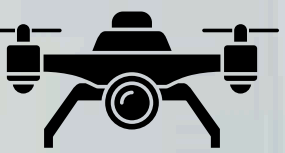
Key Specifications:

Payload Capacity:
Up to 120 kg



Use Case:

Heavy payload transport
Multi-role aerial support operations



Core Features:

Endurance: 7 hours
Range: 1100 km



Robust airframe for heavy-duty missions



- Strategic Reconnaissance
- Logistics Support
- Special Mission Operations

5



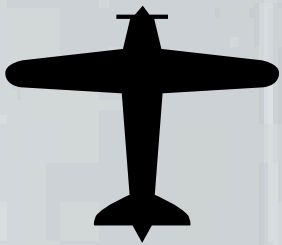
VA Falcon – FX Series

Fixed-Wing ISR UAV Platform

Key Specifications:

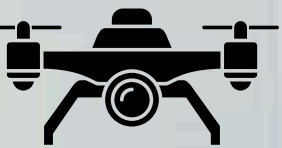
Range:

Long-range surveillance capable



Use Case:

Customizable ISR mission deployment
Long-duration aerial intelligence gathering



Core Features:

Modular payload integration system
Multiple configuration variants (PNP / RTF series)
Robust airframe for heavy-duty missions
Stable long-endurance flight platform



- Border surveillance & ISR
- Strategic reconnaissance
- Defence & security operations

6



AI Drone P1

GPS-Denied Operations UAV

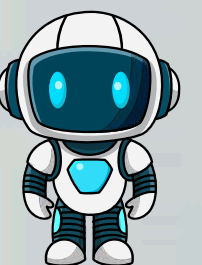
Key Specifications: Navigation Capability:

Operates in GPS-denied environments



Use Case:

Confined space reconnaissance
Real-time AI-driven mission execution



Core Features:

GPS-independent navigation system
Advanced AI-based SLAM mapping)
High-performance onboard computing
Reliable operation in signal-denied zones



- Electronic warfare zones
- Tunnel & bunker operations
- Urban warfare

7-i



VA Striker – X7

7 Inch Micro Tactical FPV Drone

Key Specifications:

Speed: 
Up to 150 km/h

Use Case:

Close-range tactical reconnaissance 
Rapid response strike deployment

Core Features:

Range: Up to 10 km 
Payload Capacity: Up to 2 kg
High-speed maneuverability
Compact & lightweight tactical design



- High-speed reconnaissance
- Rapid strike missions
- Urban combat operations

7-ii



VA Striker – X9

9 Inch Extended Tactical FPV Drone

Key Specifications:

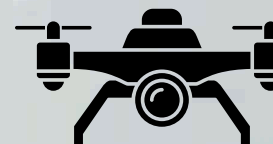
Endurance:

Up to 40 min (without payload)



Use Case:

Extended-duration tactical missions
Mid-range aerial engagement



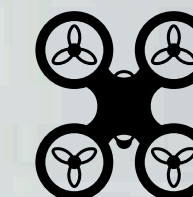
Core Features:

Range: Up to 10 km

Payload Capacity: Up to 3.5 kg

Enhanced endurance performance

Stable and responsive FPV control



- Tactical surveillance
- Mid-range strike operations
- Security & emergency response

7-iii



VA Striker – X14

14 Inch Heavy Tactical FPV Drone

Key Specifications:

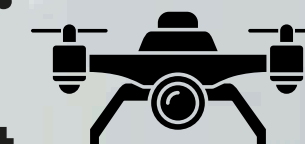
Endurance:

Up to 60 min (without payload)



Use Case:

Heavy-duty tactical operations
Extended mission deployment



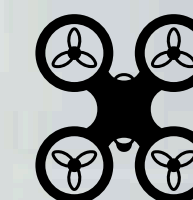
Core Features:

Range: Up to 10 km

Payload Capacity: Up to 7 kg

High payload lifting capability

Robust and stable FPV platform



- Heavy payload deployment
- Long-range tactical missions
- Advanced ISR & surveillance

8



Rucksack UAV Interference System

Portable Anti-Drone Jammer

Key Specifications:

Coverage Range:
1–1.5 km radius



Use Case:

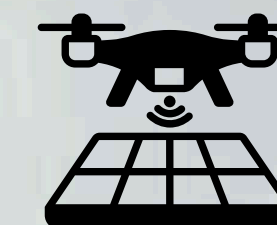
On-field counter-UAV deployment
Mobile electronic warfare support



Core Features:

Interference Capability:

8-band RF interference
Multi-band RF jamming system
Compact & highly portable design



- Infantry units
- Quick deployment
- Tactical operations

9



Vehicle-Mounted Drone Detection & Defense System

Key Specifications:

Detection Range:
Up to 5 km



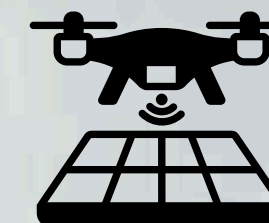
Use Case:

Mobile convoy protection operations
Perimeter security during transit missions



Core Features:

Jamming Range: Up to 3 km
Coverage: 360° omnidirectional coverage
Integrated detection & jamming system
Vehicle-mounted rapid deployment



- Convoy protection
- Border security
- Critical infrastructure defence

10



VA Human Carrier Drone

Heavy-Lift Personnel UAV

Key Specifications:

Load Capacity:
80–120 kg



Use Case:

Personnel transport in critical scenarios
Emergency evacuation support



Core Features:

Heavy-lift multirotor platform
Stabilized and safe flight control system
High-reliability propulsion system
Designed for critical mission support



- Casualty evacuation
- Special forces deployment
- Logistics in inaccessible terrain



Key Defence Applications

Comprehensive UAV solutions designed to address modern defence challenges across surveillance, combat, electronic warfare, and mission-critical support operations.



1 Surveillance & Reconnaissance

- Border monitoring
- Real-time ISR
- Intelligence gathering

2 Tactical Combat Operations

- Precision strikes
- Kamikaze missions
- Payload deployment

3 Electronic Warfare

- Anti-drone jamming
- RF suppression
- GPS-denied operations

4 Logistics & Support

- Supply delivery
- Casualty evacuation
- Remote area operations

5 Homeland Security

- Critical infrastructure protection
- Counter-terrorism
- Event security



Competitive Advantages

✓ **Indigenous & Customizable**

Fully customizable platforms based on mission requirements

✓ **Multi-Domain Capability**

Air, electronic warfare, and AI integration

✓ **Swarm & Autonomous Technology**

Advanced swarm capability (up to 100 UAVs)

✓ **AI-Driven Intelligence**

Real-time threat detection and analytics

✓ **Rugged & Field-Tested**

Designed for extreme environments (-20°C to +60°C)





Proposed Engagement Model



Phase 1 **Demonstration & Trials**

- ✓ Live field demo
- ✓ Performance validation
- ✓ Custom requirement mapping



Phase 2 **Pilot Deployment**

- ✓ Limited unit deployment
- ✓ Operational testing



Phase 3 **Full-Scale Procurement**

- ✓ Bulk supply
- ✓ Training & support
- ✓ AMC & lifecycle support



Support & Services

End-to-end support including operator training, maintenance, payload integration, and continuous AI-driven upgrades to ensure mission readiness and reliability.

Train. Maintain. Upgrade. Evolve

- ✓ Training for Operators
- ✓ Maintenance & Lifecycle Support
- ✓ Custom Payload Integration
- ✓ Software Upgrades & AI Enhancements





Call to Action

We request an opportunity to



1

System Presentation

Detailed overview of
capabilities &
configurations

2

Live Demonstration

Real-time performance
validation in field
conditions

Strategic Collaboration

Partnering for advanced defence
modernization

3



Office Address

Bihar

- IIT Patna, 5th Floor (Left), Block-9, Bihta, Dayalpur Daulatpur, Patna, Bihar 801106
- Plot No. 570, 10B, Rajendra Nagar Main Rd, Mahmudi Chak, Rajendra Nagar, Patna, Bihar 800016 (Head Office)
- Plot No. C-12, Industrial Area, Phase-1, Goraul, Narayanpur, Bedaulia, vaishali, Bihar 844118 (Manufacturing Office)

Maharashtra

- Somaiya Vidyavihar, Room No. 520, Bhaskaracharya Building, Vidyavihar, Mumbai, Maharashtra 400077

Madhya Pradesh

- 104, Capital Hills, Mahabali Nagar, Kolar Road, Bhopal (M.P.) - 462042

Himachal Pradesh

- Sham Lal Lath, Resident of S/O Banwari Lal Lath, V.P.O Panoh-i (185), Una, Himachal Pradesh - 174303

Chhatisgarh

- Berla, Bemetara, Chhattisgarh - 491332



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