



# INDRAJAAL RANGER

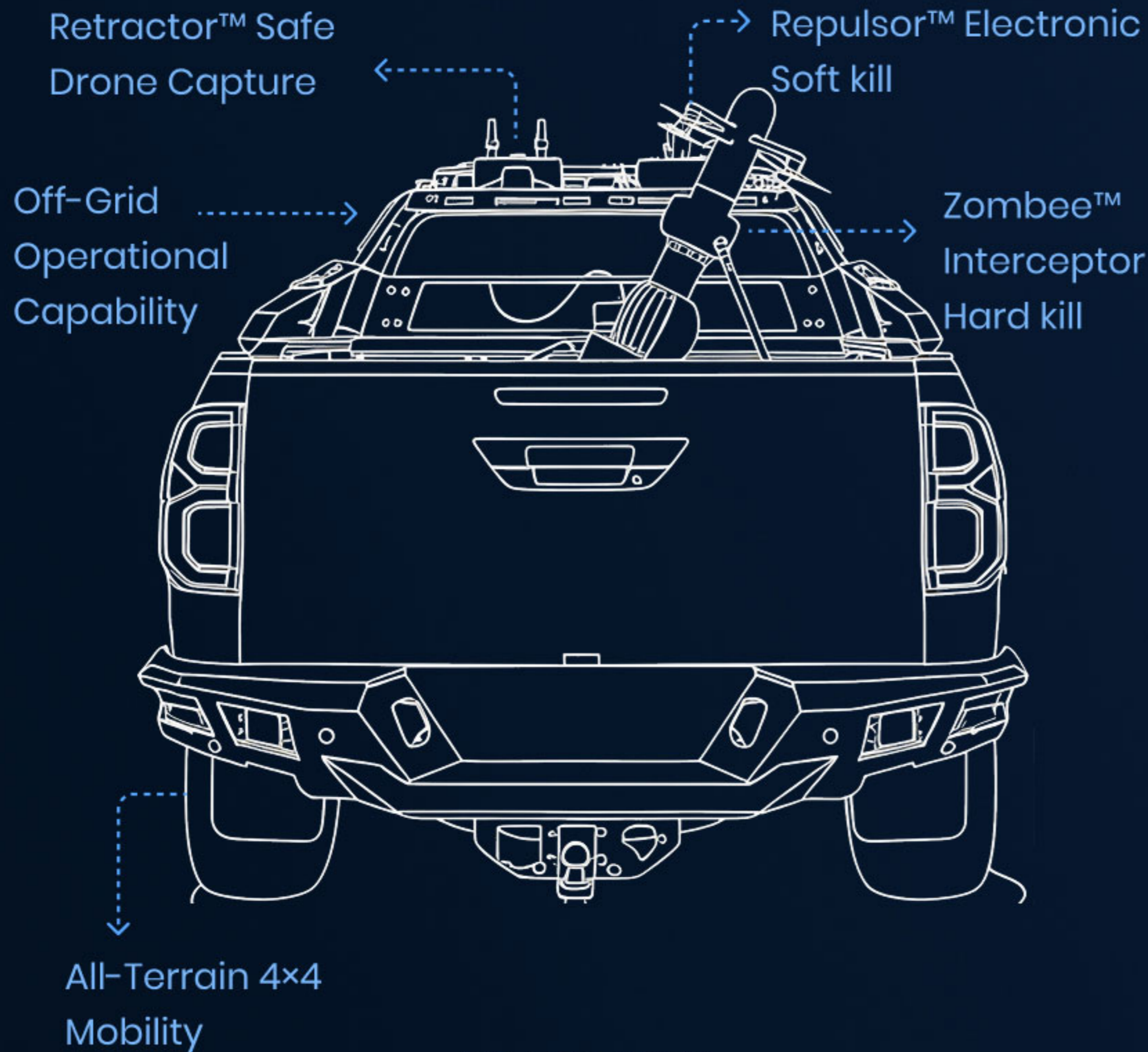
## ANTI-DRONE PATROL VEHICLE

Disclaimer: This image is representational. Final design, features, and specifications may vary based on engineering, regulatory, and operational requirements.

A rapid-response **anti-drone patrol vehicle** engineered to mitigate rogue drones in border areas and urban zones.



# FEATURES



## Retractor™ Safe Drone Capture

Securely takes control of hostile drones and guides them to a safe landing zone



## Repulsor™ Electronic Soft-Kill

Non-destructive electronic countermeasures to neutralize threats without collateral damage



## Zombee™ Interceptor Option

High-performance aerial interceptor for surveillance and hard-kill engagements



## AI Track-Lock Technology

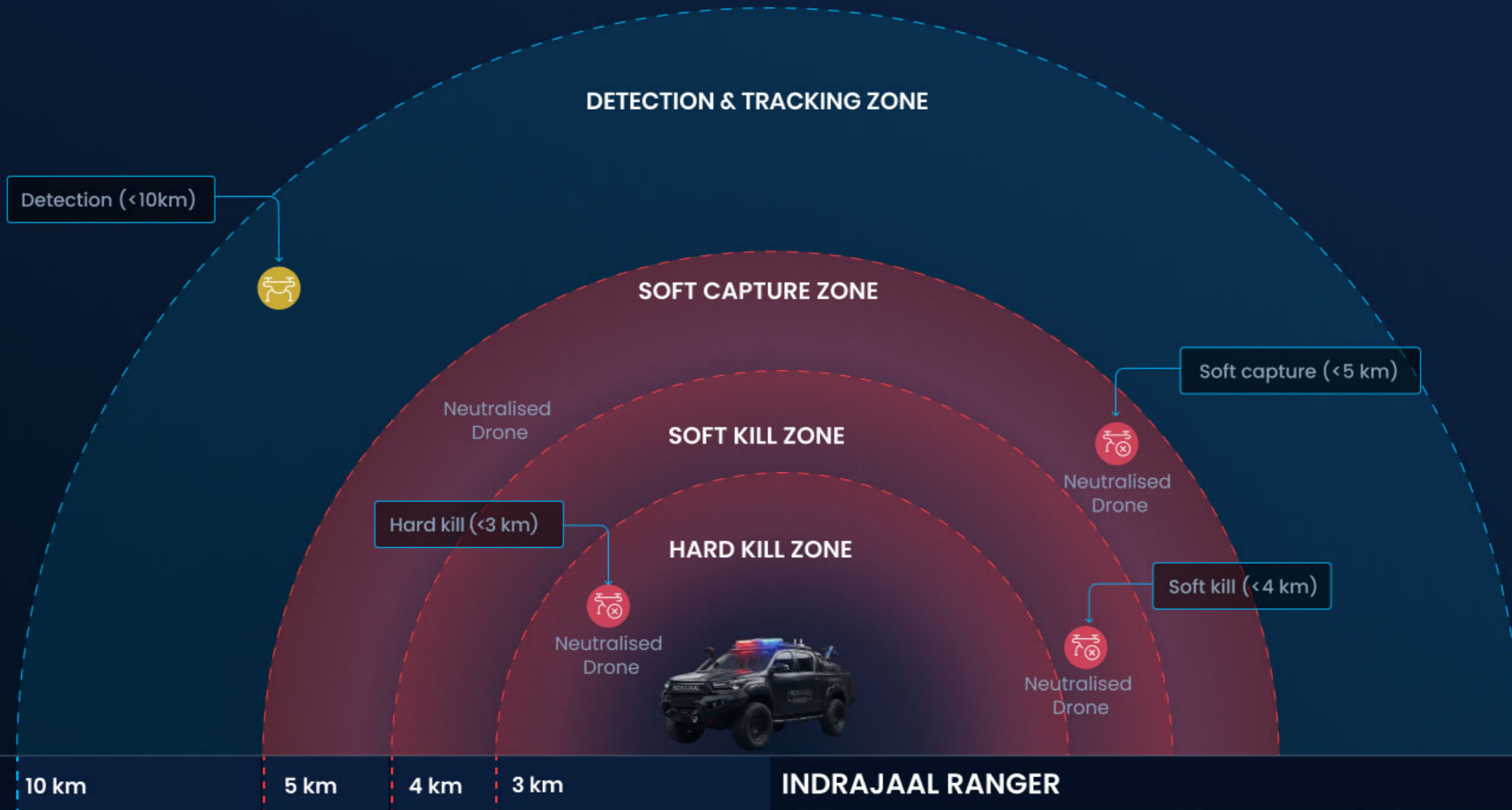
Reliable, continuous tracking for seamless threat monitoring



## All-Terrain 4x4 Mobility

Designed for dependable performance across cities, borders, industrial zones, and remote environments.

# CAPABILITIES



## Capabilities

✓ Off-the-shelf drones



✓ DIY Drones



✓ FPV Drones



✓ Swarm Drones



✓ Dark Drones



## DTIM Ranges

Detection (RFDF)	Soft capture (Cyber takeover)	Soft kill (GNSS Spoofing & Jamming)	Hard Kill (Kamikaze drone)
Up to 10 km	Up to 5 km	Up to 4 km	Up to 3 km



## Wideband Smart Detector & Jammer

Enables detection and jamming of a rogue drone.



## Cyber Takeover Device

Captures hostile drones mid-air by seizing control of their communication and navigation systems.



## GNSS Spoofer & Jammer

A compact, high-power module designed for vehicle integration, that disrupts drone navigation signals instantly within a secure operational perimeter.



## HyperMind™ Computing

Processing unit that enables autonomous detection, tracking, and neutralization of aerial threats using real-time data fusion and adaptive decision-making.



## SkyOS™ Command & Control System

Central command system that monitors, manages, and coordinates all counter-drone actions.



## Zombie Interceptor

Kamikaze drone with launcher that can strike and destroy rogue drones

### SkyOS™ Command & Control System

Inside Indrajaal Ranger, a custom-built command console brings the battlefield into view. A multi-screen interface powered by SkyOS™ delivers real-time airspace awareness, live terrain mapping, and on-ground visibility – putting complete control at the operator's fingertips.

# INSIDE INDRAJAAL RANGER

Video feed from devices



Navigation screen



SkyOS™ C5ISR Interface



## Indrajaal Ranger is powered by our proprietary AI-enabled platform



Disclaimer: Images used are for illustrative purposes only and may not be an exact representation of the product.

# AUTONOMY & SCALABILITY



## Autonomous, 24x7 Threat Mitigation

Operates continuously without human intervention to detect, track, and neutralize hostile drones in real-time using AI-powered protocols.



## Comprehensive C5ISRT

Indrajaal is a unified Command, Control, Communication, Combat, Intelligence, Surveillance, Reconnaissance, and Targeting (C5ISRT) platform designed to provide integrated and real-time decision-making across multiple domains. threats.



## Integration Supported

Indrajaal supports compatibility with existing third-party equipment. This allows for smooth integration of previously procured assets into the system without the need for complete replacements.



## Low Maintenance, High MTBF Hardware

Ruggedized, military-grade components with diagnostic systems reduce field servicing and maximize operational uptime in harsh conditions.



## Battle-Ready Mobile Defense

Engineered for high-threat border operations, enabling on-the-move drone neutralization during active conflict or patrol missions.



## Secure, Remote Command Interface

Enables encrypted, over-the-air monitoring, diagnostics, and manual override, ensuring security teams retain full situational control.



## Plug-and-Operate Architecture

Pre-integrated hardware and software stack ensures rapid vehicle-based deployment without lengthy installation or calibration.



## Scalable for Multi-Vehicle Defense Grids

Easily integrates into a larger Indrajaal mesh network for synchronized, multi-vehicle counter-drone coverage across battlefronts.



## Field-Proven Power Resilience

Integrated vehicle power management and battery backup ensure uninterrupted operations in combat and remote terrains.

## USE CASES

### Smuggling Prevention



#### The Challenge

Rogue and DIY drones are increasingly used to ferry contraband, including narcotics, weapons, and currency across borders and into high-security zones. Coordinated swarm drone tactics overwhelm static detection systems and distract security personnel, enabling smuggling.

#### Ranger's Role

Indrajaal Ranger detects, analyses and mitigates the threat through soft or hard kill. Its AI powered detection and jamming system, work in tandem with each other to either hack the drone or launch a counter drone to hit it.

#### Assets Protected

BORDER CHECK POSTS · BORDER VILLAGES · PRISONS · COASTAL SURVEILLANCE ZONES

### Convoy Security



#### The Challenge

Military and VIP convoys are increasingly vulnerable to drone-based reconnaissance, weaponised drones and drone swarms, particularly in high-risk corridors. VIP movement in remote areas lack fixed air defence infrastructure, leaving them exposed.

#### Ranger's Role

All-Terrain 4x4 mobility protects convoys across cities, open highways, borders, and rough terrain without losing operational pace. AI Track-Lock Technology enables continuous, reliable threat monitoring on the move, even at high-speeds.

#### Assets Protected

VIP AND HEAD-OF-STATE MOTORCADES · LOGISTICS AND AMMUNITION SUPPLY CHAINS

### Border Patrolling



#### The Challenge

Adversaries today use dark drones and RF-silent UAVs that are difficult to detect with conventional radar. Cross-border drone incursions, ranging from surveillance missions to armed payload are growing along contested international boundaries.

#### Ranger's Role

Ranger provides continuous autonomous, 24x7 threat mitigation in real-time without requiring constant human intervention. Multiple Rangers can be integrated into a mesh network for synchronised, multi-vehicle counter-drone coverage.

#### Assets Protected

CONTAINER TERMINALS · FUEL DEPOTS · VESSEL BERTHS · PORT COMMAND INFRASTRUCTURE

# USE CASES

## Event Protection



### The Challenge

High-value targets. Expeditionary environment. No conventional air defence infrastructure. Untrained security personnel. Continuous threat exposure.

### Ranger's Role

Plug-and-Operate architecture enables rapid deployment to any event. Repulsor™ Electronic Soft-Kill system and Cyber Takeover jams the drones comms, while Retractor™ Safe Drone Capture guides hostile drones safely to a designated landing zone.

### Assets Protected

HIGH-PROFILE POLITICAL RALLIES · ELECTION CAMPAIGNS · RELIGIOUS GATHERINGS · DIPLOMATIC SUMMITS

## Temporary Tactical Deployments



### The Challenge

Military operations, humanitarian missions, and emergency response scenarios often require air defence capabilities to be established rapidly in locations, particularly in view of dynamic evolving threats.

### Ranger's Role

Ranger provides off-grid operational capability, backed by field-proven power resilience including integrated vehicle power management and battery backup, ensures uninterrupted operations even in remote, resource-constrained environments.

### Assets Protected

FORWARD OPERATING BASES · DISASTER RELIEF CENTRES · FIELD HOSPITALS · REFUGEE CAMPS

## Asset Protection



### The Challenge

Important national assets such as chief ministerial homes and assembly buildings are exposed to increasing drone threats.

### Ranger's Role

Indrajaal Ranger can be deployed to protect critical assets and ensure that rogue drones are pursued and recovered. SkyOS™ Platform consolidates threat data, sensor feeds, and weapon system status into a unified command interface across multiple units.

### Assets Protected

PARLIAMENT BUILDINGS · ASSEMBLY BUILDINGS · CHIEF MINISTERIAL RESIDENCES · PRISONS

# GET IN TOUCH



## INDRAJAAL

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