Transforming Vehicle Surveillance With Intozi's AI Video Analytics:

A Case Study of Delhi Police

Intozi

Problem Statement

In a fast-moving metropolitan city like Delhi, real-time vehicle monitoring is critical for public safety. However, Delhi Police was constrained by outdated systems that relied on manual verification and delayed coordination. Identifying vehicles with non-standard number plates, especially under low visibility or in high-traffic zones, proved increasingly difficult. With thousands of entry points and daily vehicle movement, timely action was often missed—impacting investigations and incident response.

Solution provided by Intozi

To modernize vehicle surveillance and enhance operational efficiency, Delhi Police deployed Ikshana — Intozi's AI-powered video analytics platform — across key zones in the city.

Precision ANPR Technology

Ikshana delivers high-accuracy number plate recognition across all vehicle types, including two-wheelers, autos, and fancy-format plates — day and night.

Real-Time Hotlisting & Alerts

Officers can flag suspect vehicles and receive instant alerts via SMS or WhatsApp the moment a match is detected.

End-to-End Vehicle Tracking

The platform maps the complete movement of a flagged vehicle, offering timeline-based journey insights to support rapid investigation.

Seamless Integration & 24/7 Monitoring

Ikshana integrates with existing infrastructure (ZipNet, e-Challan systems) and operates autonomously round the clock—minimizing manual effort while maximizing situational awareness.

Geographical Coverage & Deployment Zones

Intozi's Smart Surveillance System is successfully deployed across multiple districts of national capital Delhi as well as few other districts across the country. Most of the districts has witnessed a significant success to put a curb on crime related to vehicle theft as well as in tracing of vehicles involved in incidents.

WEST DELHI

■ **Janakpuri Police Station**
- Under Dabri Flyover

■ **Vikaspuri Police Station**
- KG 1 Block

■ **Punjabi Bagh Police Station**
- Club Road

■ **Moti Nagar Police Station**
- Moti Nagar Chowk

■ **Tilak Nagar Police Station**
- Janakpuri East Metro Station

■ **Hari Nagar Police Station**
- Clock Tower
- Jail Road

■ **Rajouri Garden Police Station**
- Rajouri Garden Metro Station

■ **Kirti Nagar Police Station**
- Rama Road, Furniture Block

■ **Inderpuri Police Station**
- Todapur Red Light

■ **Naraina Police Station**
- Gurudwara Beet

■ **Khyala Police Station**
- Andh Vidhyalaya, Raghubir Nagar

■ **Mayapuri Police Station**
- Community Centre
- Crystal Banquet Hall
- D-Block, Pankha Road

SOUTH DELHI - HAUZ KHAS DCP OFFICE

- **Tigri Police Station**
  - Batra Hospital

- **Ambedkar Nagar Police Station**
  - BRT Road
  - Khanpur T-point

- **Defense Colony Police Station**
  - Moolchand Flyover

- **Fatehpur Beri Police Station**
  - Mandi Border
  - Jheel Khurd
  - Dera Mod

- **Hauz Khas Police Station**
  - IIT Flyover

- **Greater Kailash Police Station**
  - B-Block, GK 1
  - Outer Ring Road, GK 1

- **Lodhi Colony Police Station**
  - Church Gate
  - Barapullah PWD Office

- **Kotla Mubarakpur Police Station**
  - Bipin Chandra Pal Marg
  - South Extension
  - Barahpulla Kidwai Marg

OUTER NORTH DELHI - SAMAYPUR BADLI DCP OFFICE

- **Alipur Police Station**
  - Zer Point Palla
  - Tajpur Toll
  - Jati Toll
  - Singhu Village Toll

- **Narela Police Station**
  - Saboli Border
  - Lampur Border
  - Safiabad Border

NEW DELHI - SANSAD MARG. DCP OFFICE

Barakhamba Police Station
- Barakhamba Red Light

Mehrauli Police Station
- Andheri Mor

Tilak Marg Police Station
- ITO
- Zoo

Mandir Marg Police Station
- Lady Hardinge Medical College
- Nehru Chowk
- Mani Ram Akhara
- Gol Market

Malviya Nagar Police Station
- PTS Red Light

SHO Saket Police Station
- Code Chowk

Neb Sarai Police Station
- Bandh Road, Sainik Farm
- Z-Mod to IGNOU

SOUTH WEST DELHI - VASANT VIHAR DCP OFFICE

■ **Delhi Cantt Police Station**

- Old Nangal Gaon

■ **Sarojini Nagar Police Station**

- Cosy Grand Hotel

■ **R.K. Puram Police Station**

- Hyatt Red Light

■ **Vasant Kunj South Police Station**

- Rajokri Border
- Stellar Resort
- Rajokri Booth

■ **Kapashera Police Station**

- Rao Matadin Yadav Marg
- Sector-21
- Kaccha Naka
- Pakka Naka
- Bajghera

■ **Police Station**

- Durgabai Deshmukh South Campus

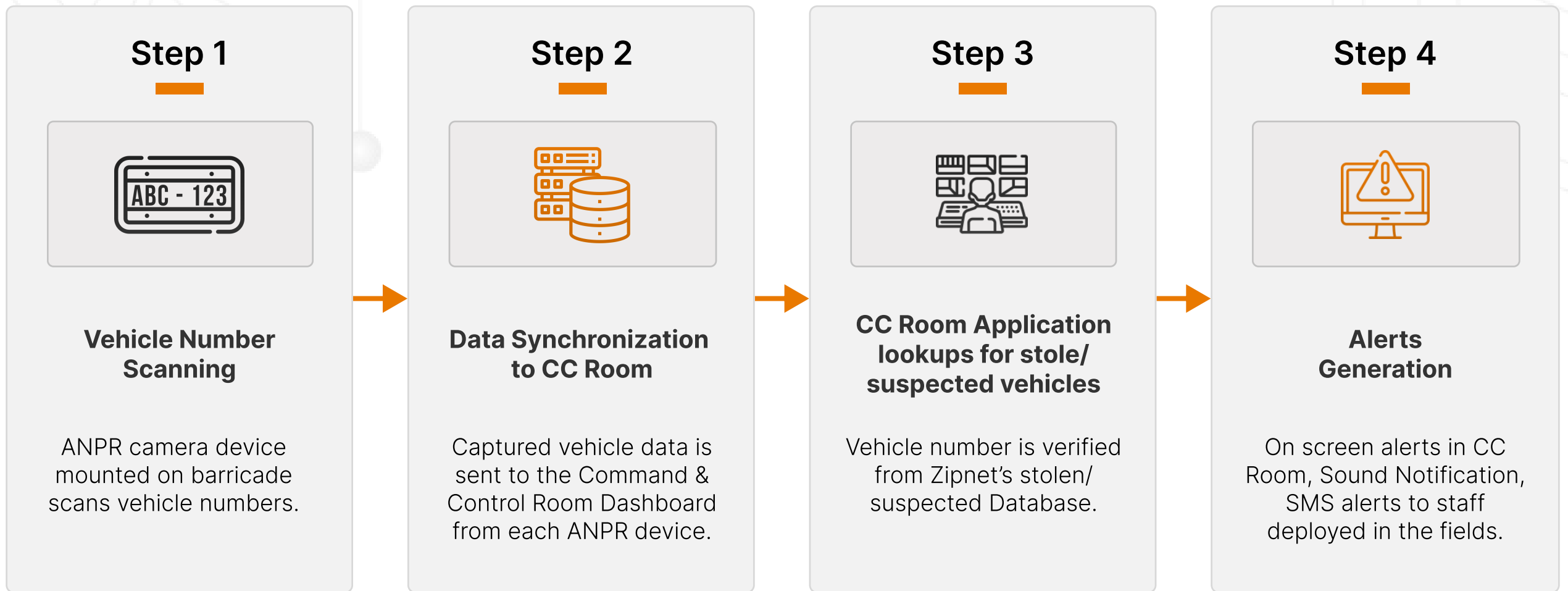■ **Yusuf Sarai Police Station**

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■ **Kishangarh Police Station**
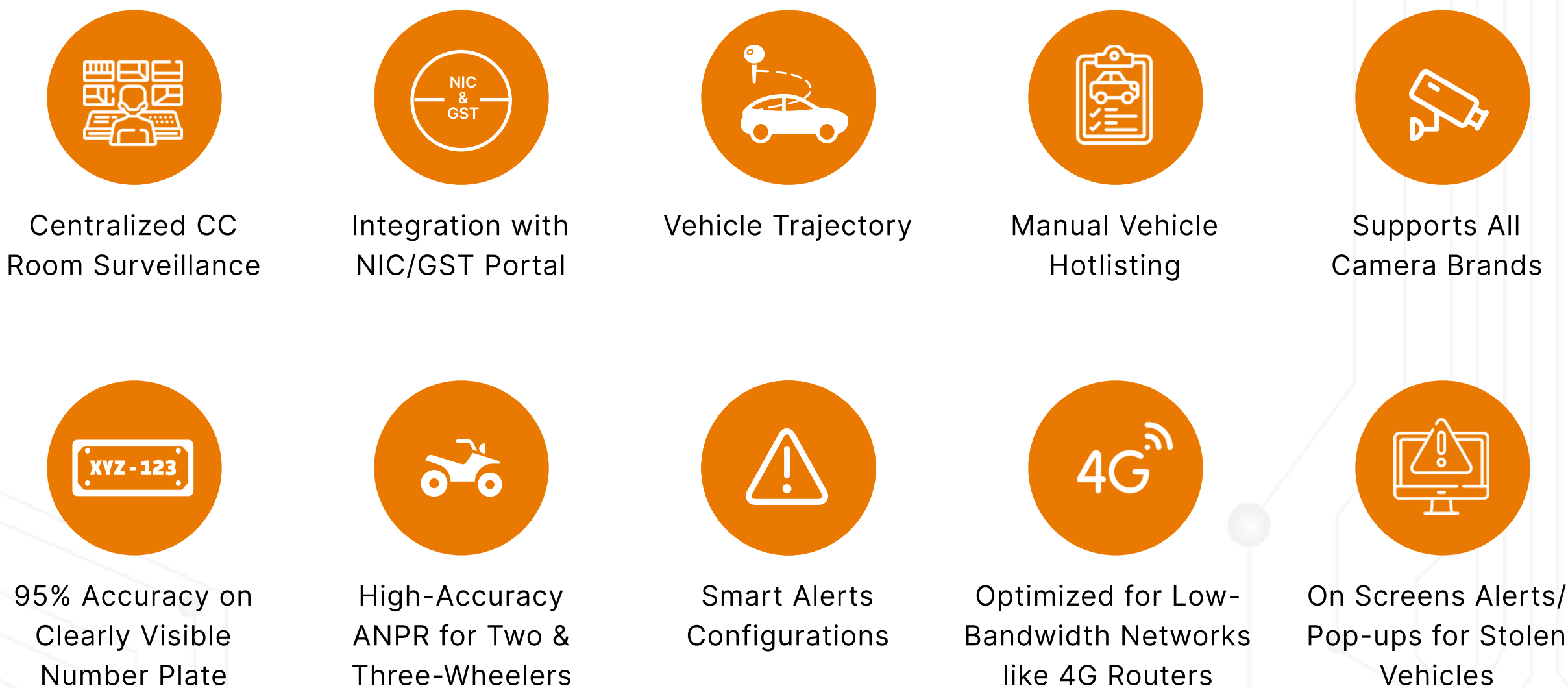
- Fortis Hospital

■ **Police Station**

- Bramhapuri
- Manglapuri Chowk

How It Works

Step 1

Vehicle Number Scanning

ANPR camera device mounted on barricade scans vehicle numbers.

Step 2

Data Synchronization to CC Room

Captured vehicle data is sent to the Command & Control Room Dashboard from each ANPR device.

Step 3

CC Room Application lookups for stole/ suspected vehicles

Vehicle number is verified from Zipnet's stolen/ suspected Database.

Step 4

Alerts Generation

On screen alerts in CC Room, Sound Notification, SMS alerts to staff deployed in the fields.

Key Features

Centralized CC Room Surveillance

Integration with NIC/GST Portal

Vehicle Trajectory

Manual Vehicle Hotlisting

Supports All Camera Brands

95% Accuracy on Clearly Visible Number Plate

High-Accuracy ANPR for Two & Three-Wheelers

Smart Alerts Configurations

Optimized for Low-Bandwidth Networks like 4G Routers
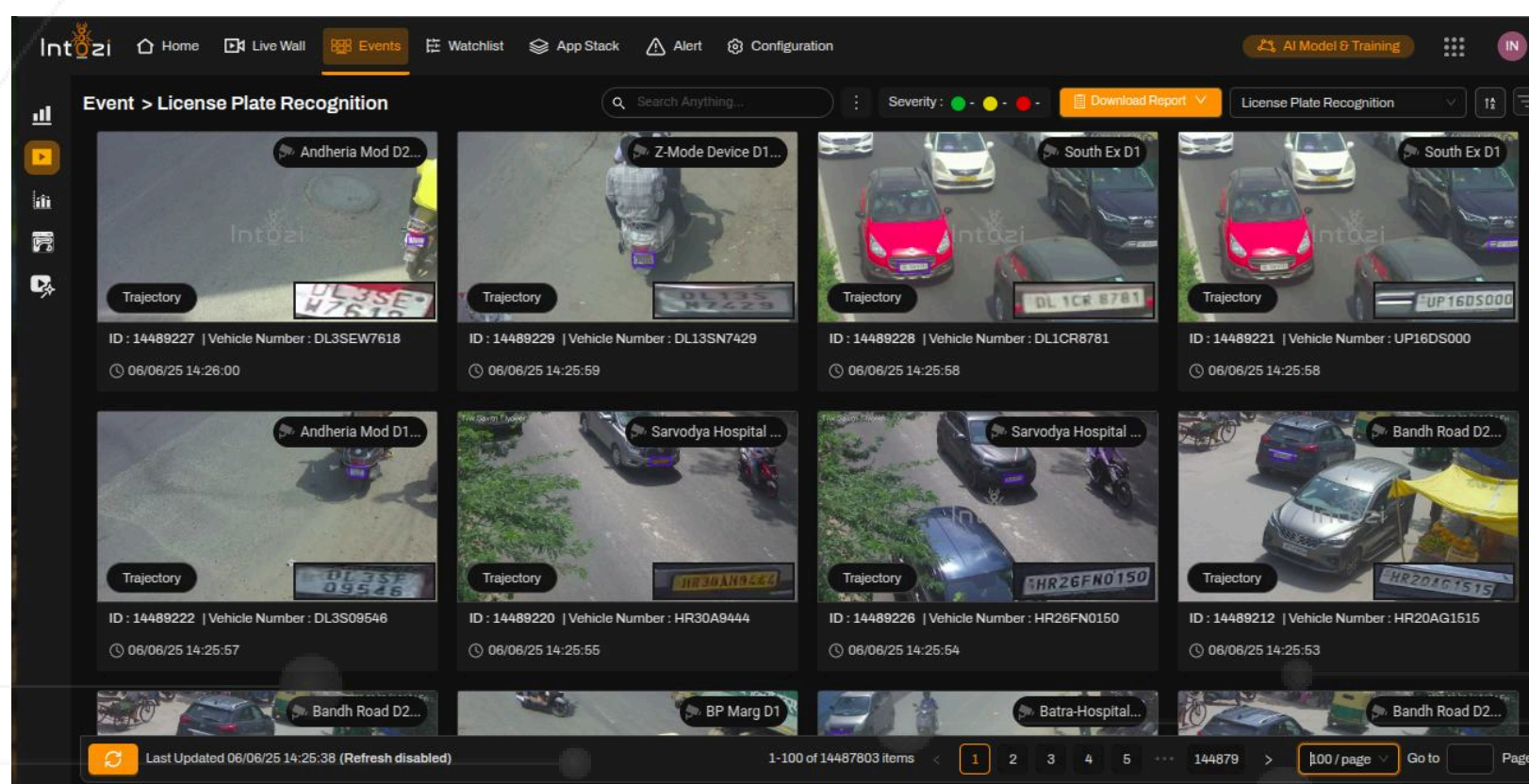
On Screens Alerts/ Pop-ups for Stolen Vehicles
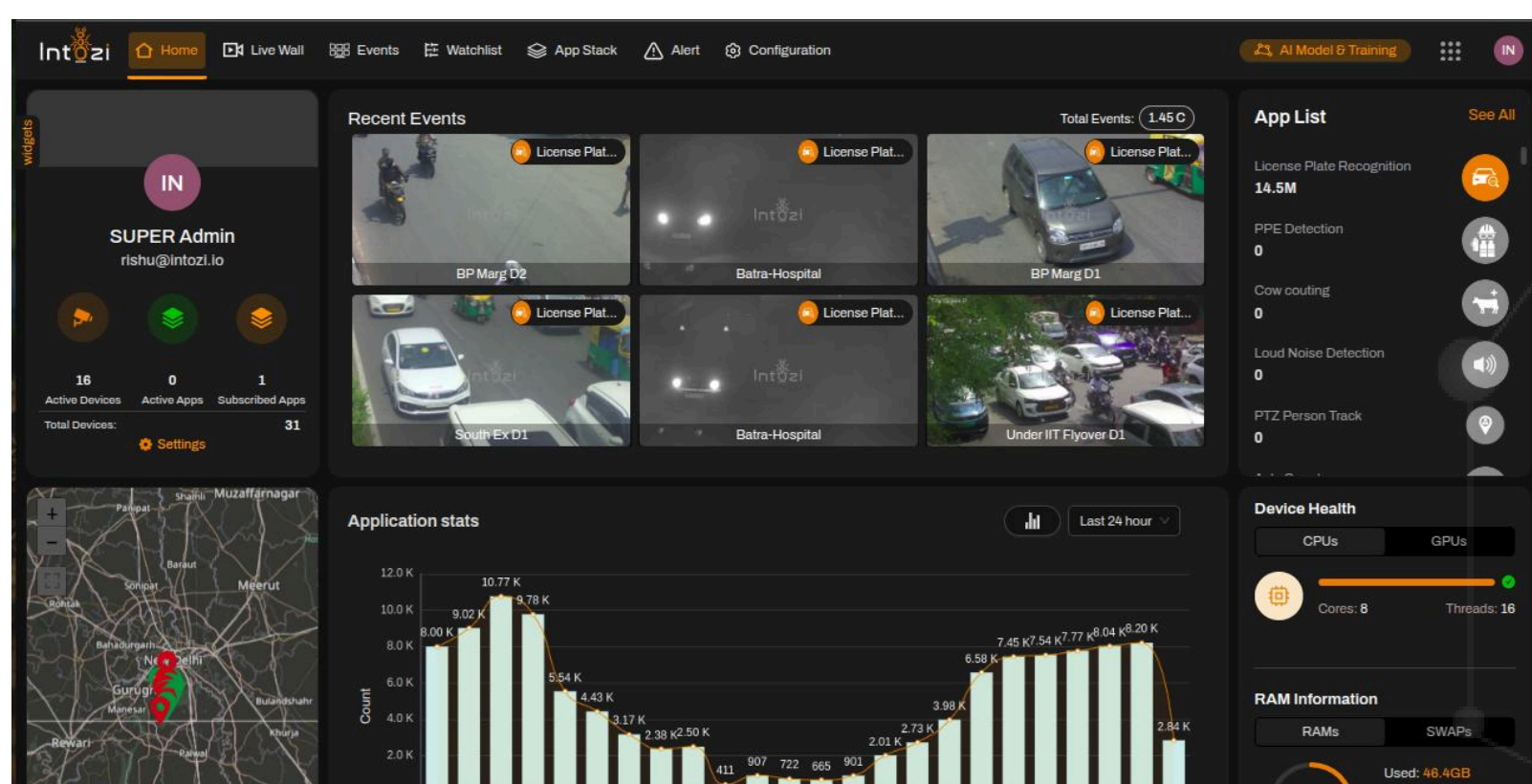
Key Components of the Solution

■ Smart Alerts Configuration

- Configure real-time alerts for specific events and groups.
- Add/remove contact numbers and set group-based SMS notifications.
- Intuitive interface for supervisors and administrators.
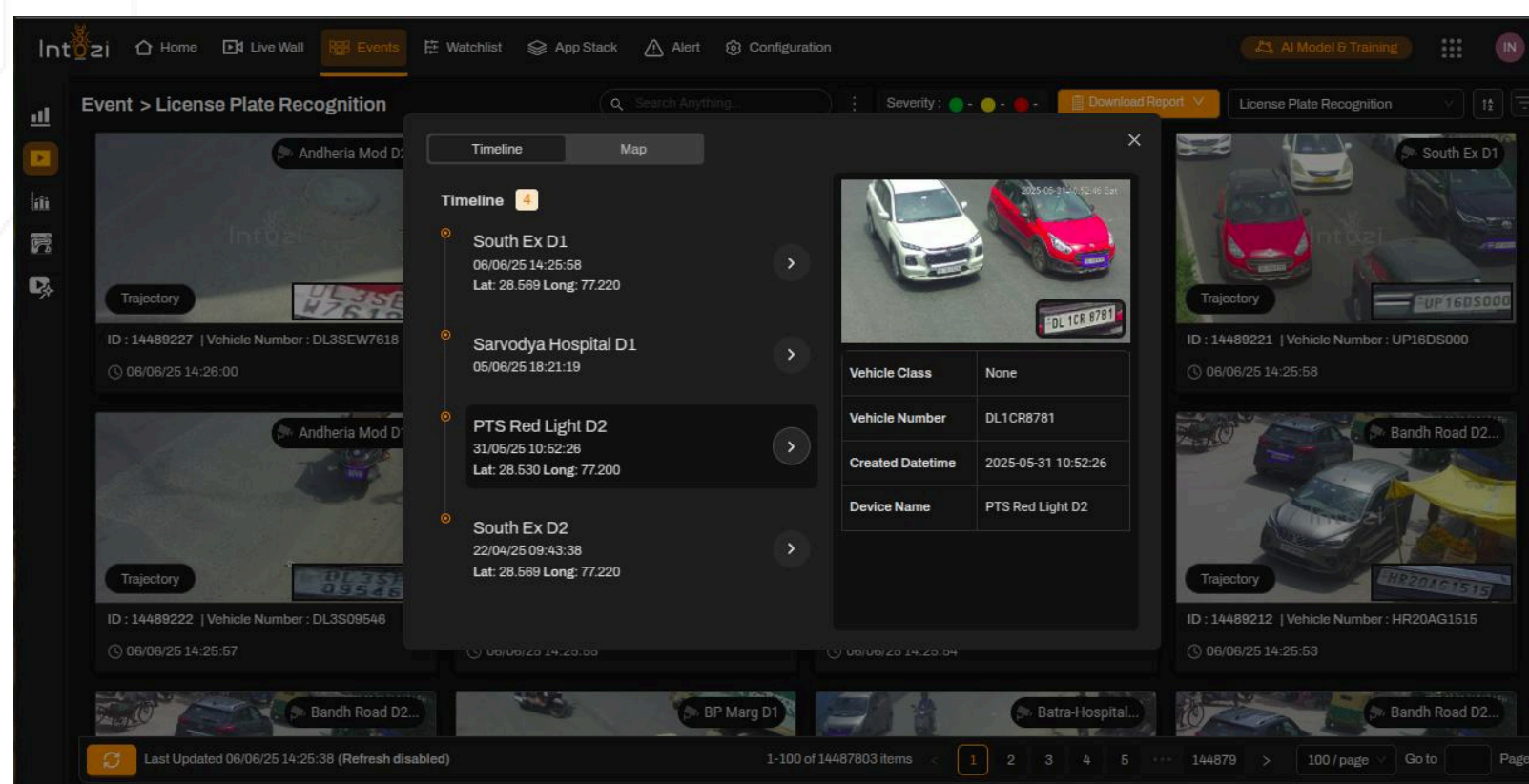

■ Smart Analytics

- View complete travel history of vehicles across multiple checkpoints.
- Identify patterns and frequency to detect suspicious activity.
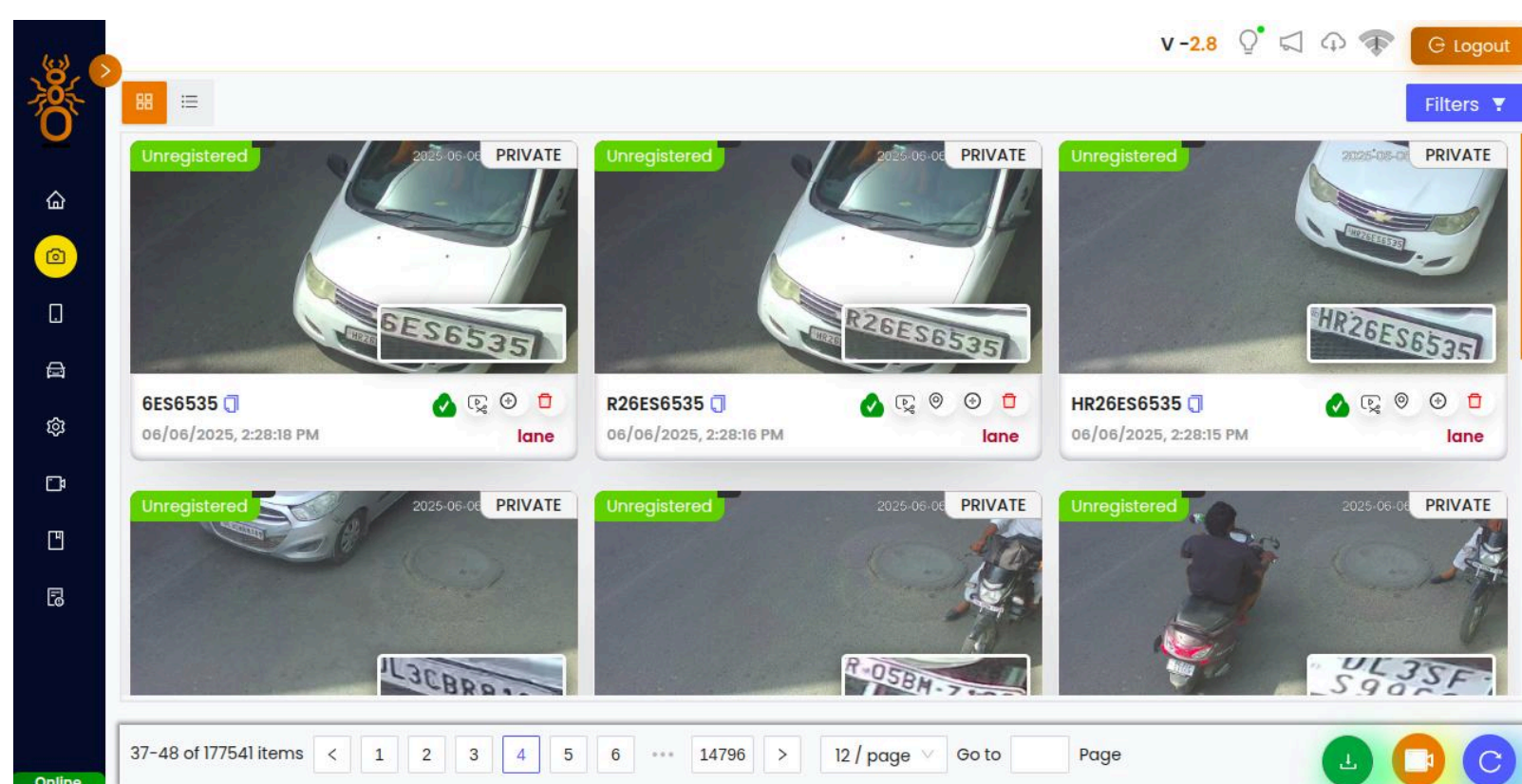- Filter vehicles by time period and location for deeper insights.

▪ Vehicle Trajectory

- Search any vehicle number to trace its full journey.
- Shows route, timestamps, and location data in a visual map format.
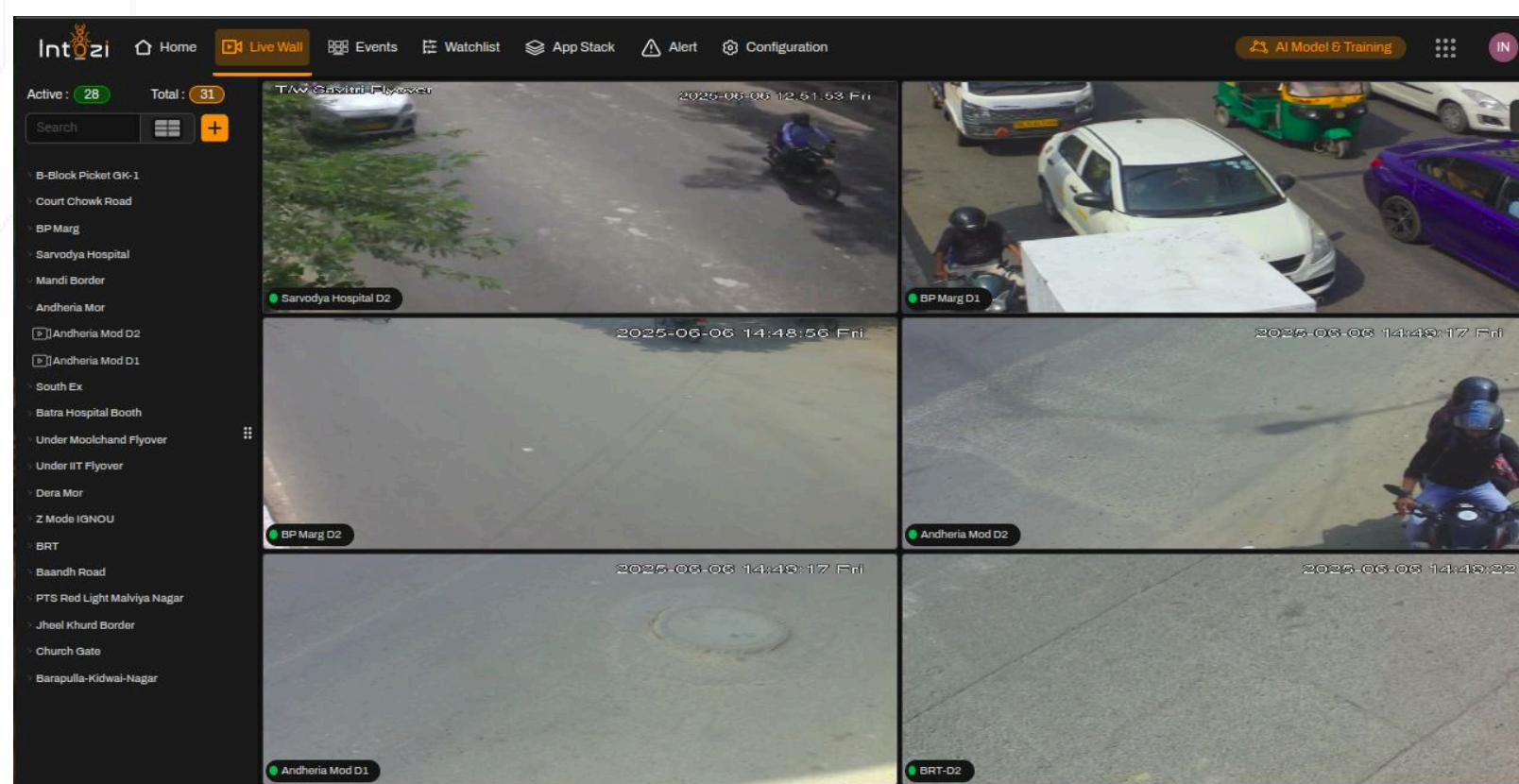- Enables efficient tracking and investigation.

▪ Instant Alerts

- Instant alerts via on-screen popups and sound notifications.
- Keeps operators aware of critical events in real time.
- Ensures quick response and escalation when needed.

■ Advanced ANPR Engine

- Reads number plates in fast-moving, low-light, and harsh weather conditions.
- High accuracy with minimal false reads.
- Built for real-world surveillance scenarios.

■ Vehicle Hotlisting

- Integrated with ZipNet and manual entry support.
- Easily add suspected vehicles to the hotlist.
- System auto-generates alerts for flagged entries.

■ Support Multiple Camera Brands

- Supports ANPR devices from Intozi and other major brands.
- Centralized platform for managing diverse camera networks.
- Saves cost on infrastructure upgrades.

■ Enhanced Crime Detection & Prevention

- Real-time alerts on stolen or suspicious vehicles empower swift police response.
- Help prevent crimes before they escalate.

◼ Efficient Vehicle Tracking

- Precisely tracks vehicles involved in incidents.
- Supports faster and more reliable investigations.

◼ Improved Public Safety

- Enables fast identification and intervention.
- Helps deter potential criminal activities.

◼ 24/7 Surveillance Capability

- Captures number plates day and night.
- Delivers consistent performance in all lighting conditions.

◼ Wide Range of Plate Recognition

- Supports two-wheelers, three-wheelers, and fancy plates.
- Ensures full coverage across all vehicle types.

◼ Proactive Law Enforcement

- Real-time SMS and dashboard alerts.
- Supports faster decisions and ground response.

◼ Increased Operational Efficiency

- Automates vehicle monitoring and reporting.
- Reduces manual workload and human error.

CONTACT DETAILS

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Intozi

See Beyond, Analyze Within