

USETECH



AI-Powered Smart City Operations Platform

General Traffic Department

Improve inspection accuracy while maintaining traffic flow.

Reduce congestion and improve traffic efficiency

Main Objectives

Main Pain Points

- ✓ Huge volume of video streams from cameras
- ✓ Manual monitoring
- ✓ Lack of centralized analytics
- ✓ Weak data integration between cities
- ✓ Limited traffic analytics
- ✓ Slow evidence processing
- ✓ Limited ability to predict traffic jams and accidents

Integrated Smart City Ecosystem

The Integrated Smart City Ecosystem encompasses all aspects of civilian policing, traffic enforcement, emergency response and protection of critical infrastructure

Main Features



Seamless Integration with CCTV cameras, sensors, smart devices



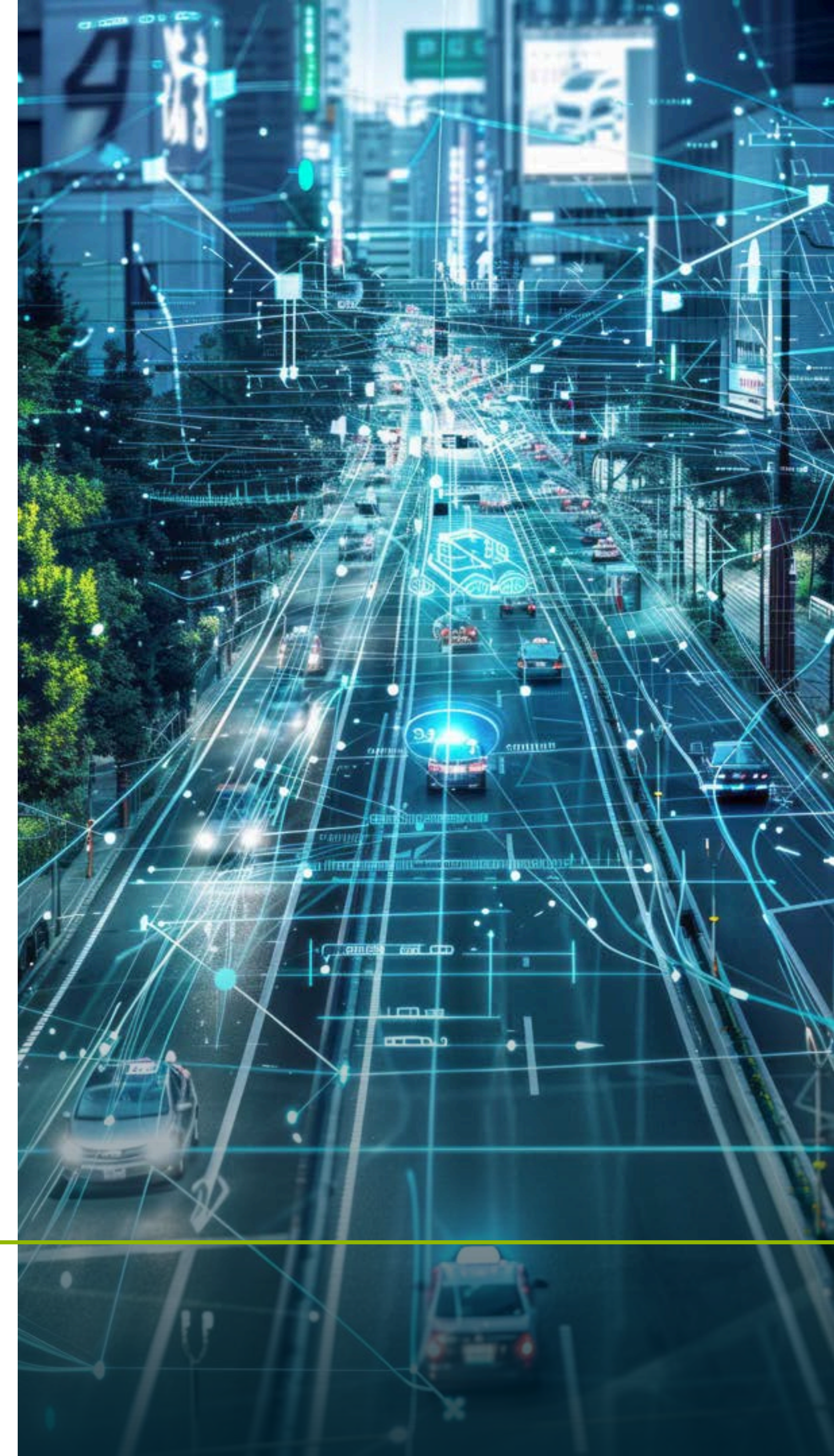
Runtime analytics and predictive analysis



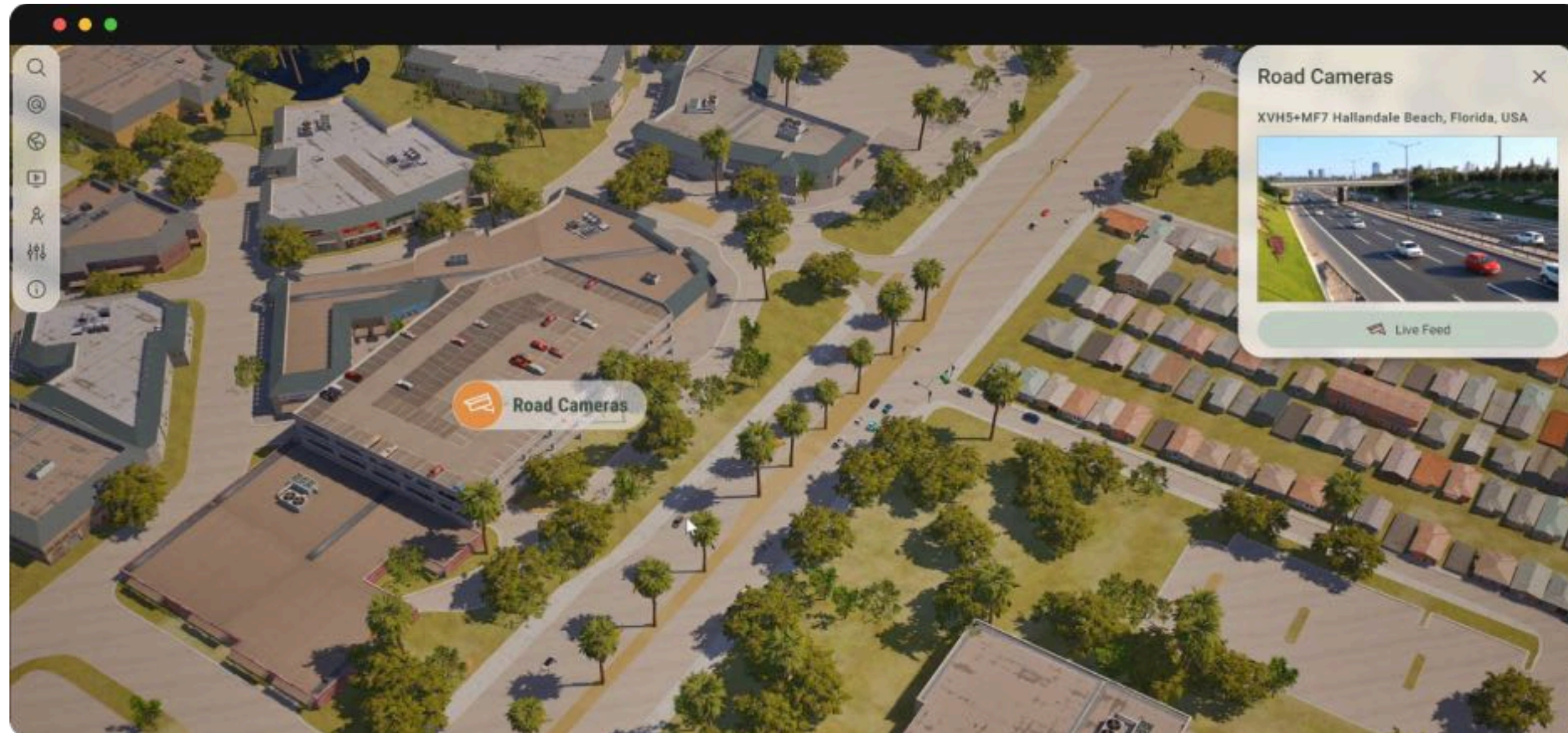
Notifications and alerting



Dashboards and reporting



City-Wide Operational View



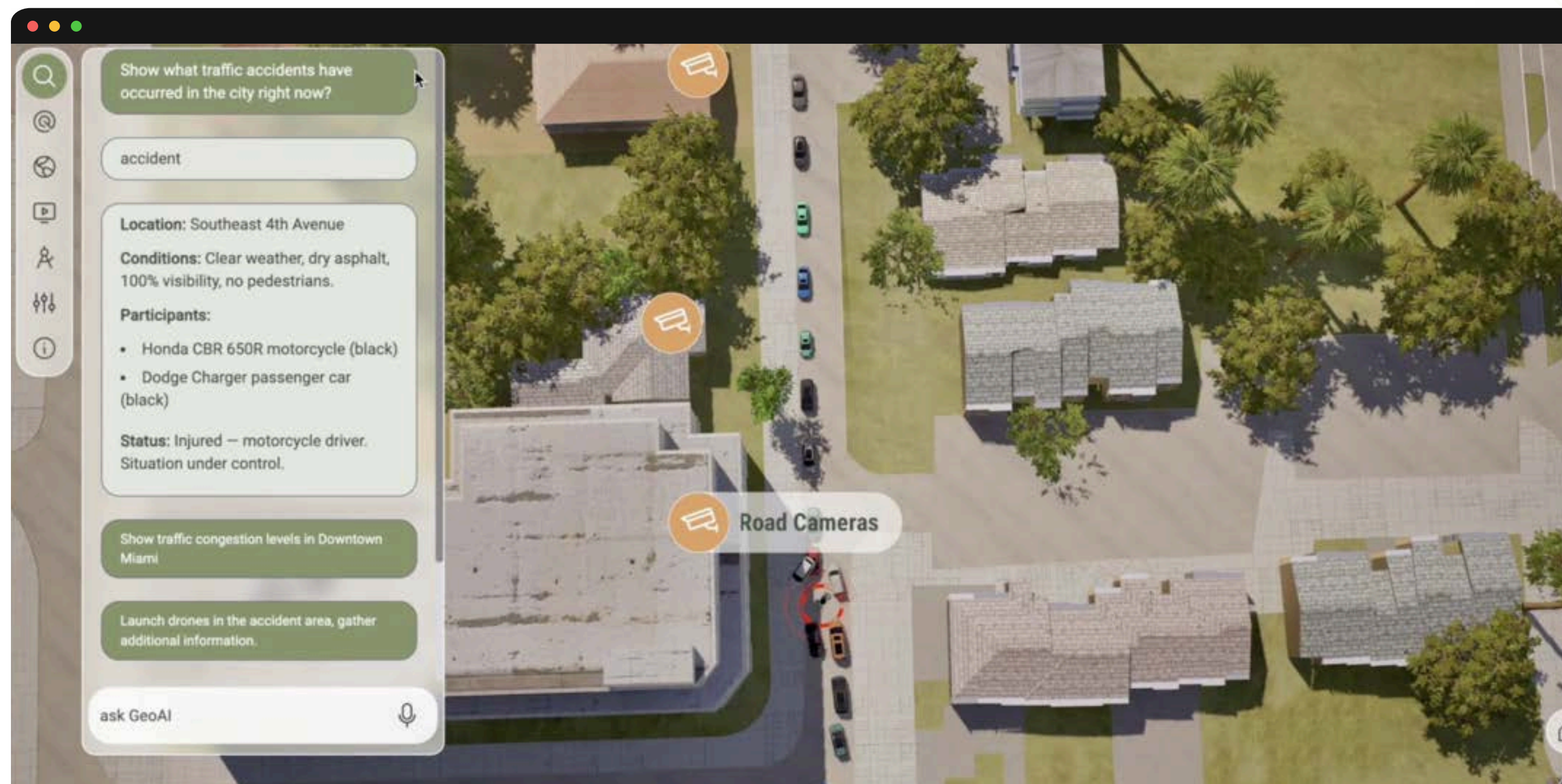
- Interactive 3D city view
- Real-time data overlay from multiple integrated sources

- Comprehensive city-wide monitoring with visibility of incidents across multiple locations



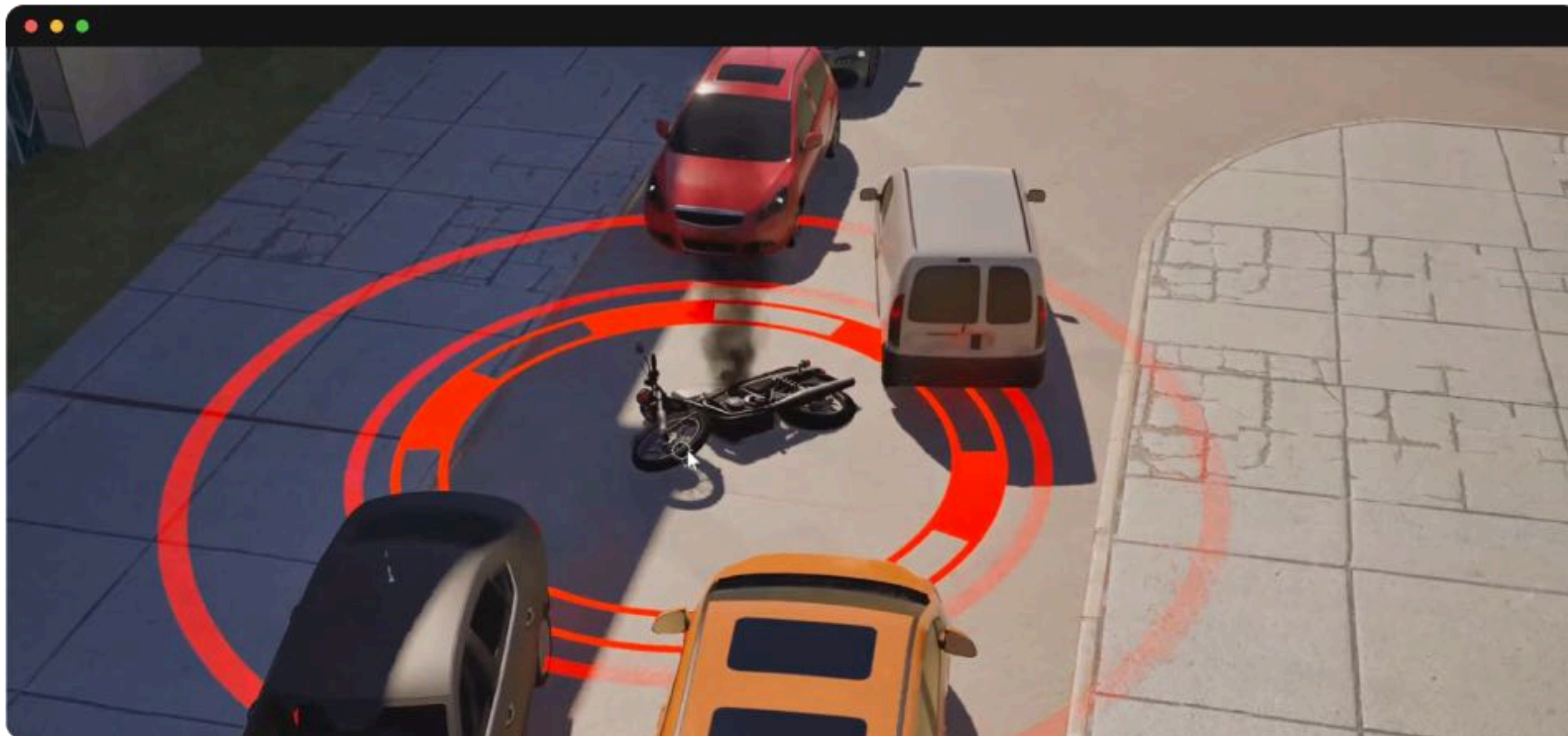
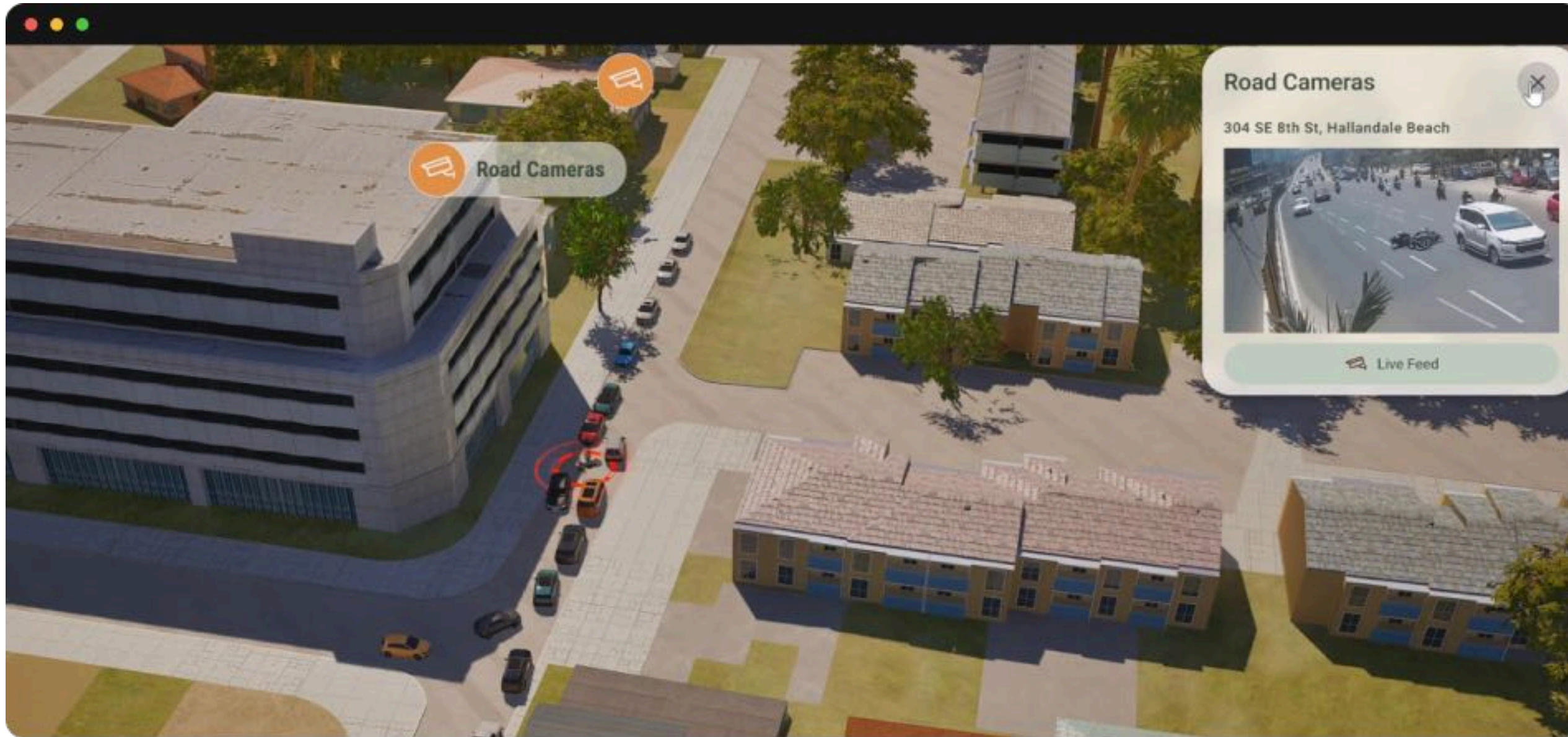
AI Chatbot

- Natural language interaction to query real-time traffic conditions, incidents, and trends
- Faster decision-making with contextual, data-driven answers across all integrated systems



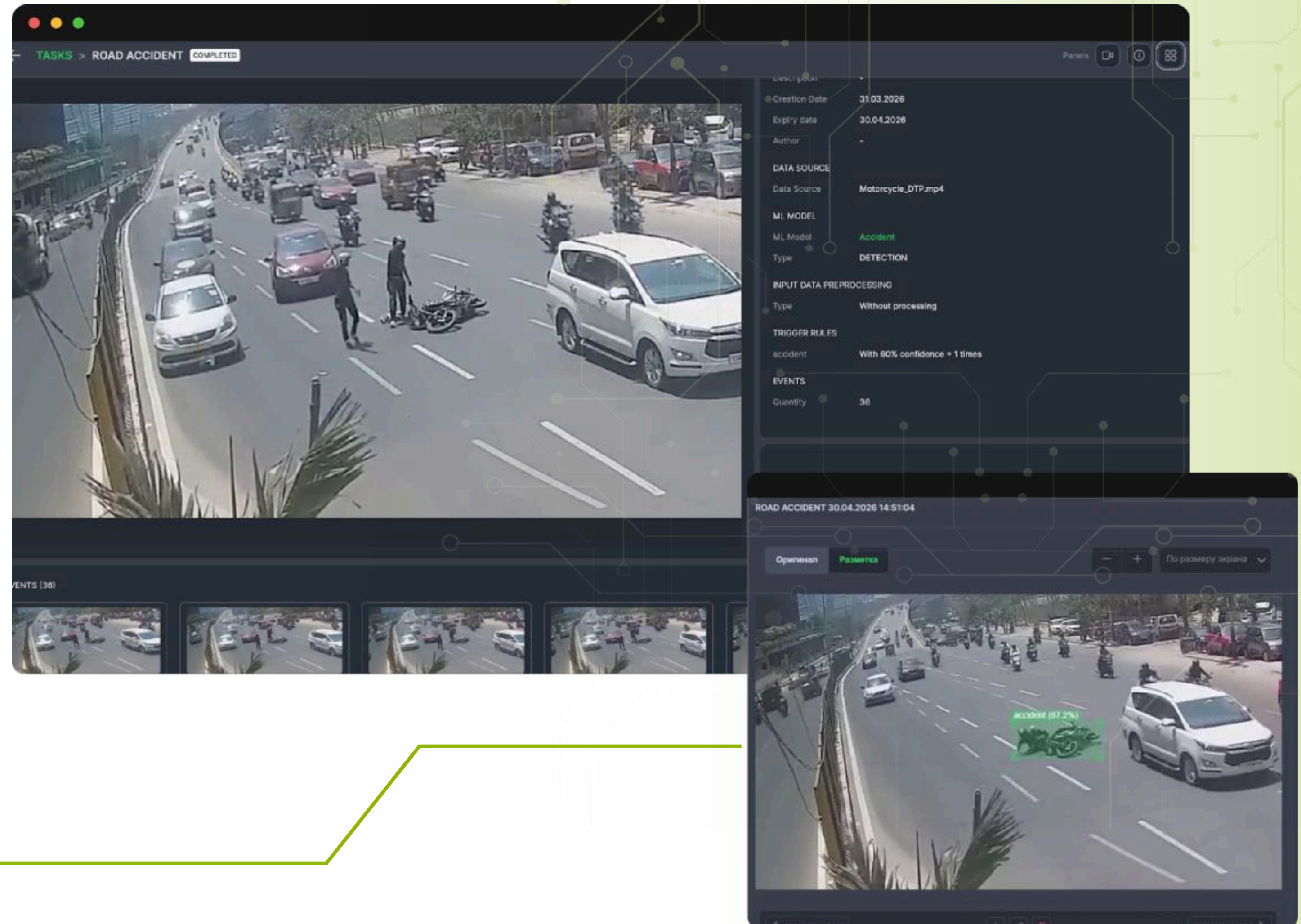
Real-Time Incident Detection & Insights

- Automatic detection and instant alerting of traffic accidents from live data streams
- Precise localization of the incident with contextual details (time, location, severity)
- Detailed visual analysis of the scene enabling faster assessment and response



AI-Powered Video Analytics

- Al-powered video analytics detecting incidents in real time with object recognition and bounding boxes
- Live camera stream enriched with contextual data, incident details, and operational controls
- Advanced analytics dashboard providing insights, statistics, and evidence for decision-making



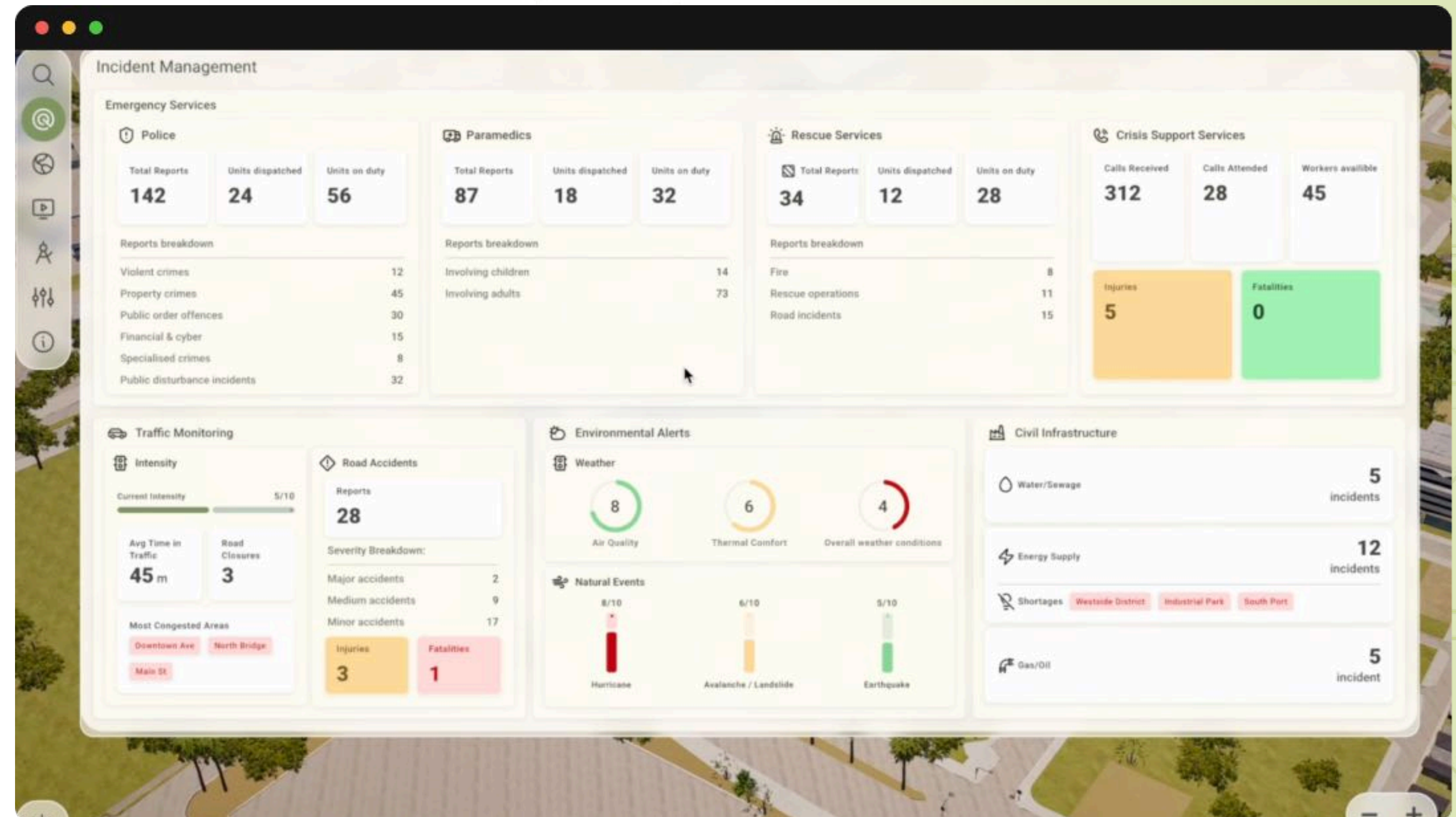
End-to-End Incident Management



- Centralized orchestration of emergency services and operational workflows from a single platform
- Predictive simulation of incident evolution to guide resource deployment and containment strategies

Unified City Operations Dashboard

- Aggregated view of key data across multiple city services and systems
- Cross-domain visibility enabling coordinated monitoring and faster response
- AI assistant supporting data access, analysis, and operational control through natural interaction



City-Wide Application Scenarios



Traffic accidents

Automatic identification of road incidents with contextual visualization, impact assessment, and support for coordinated response across traffic and emergency services



Crime incident detection and situational analysis

Detection of suspicious or unlawful activities with event mapping, historical pattern analysis, and support for operational awareness and investigation workflows



Fire and smoke detection with propagation modeling

Early identification of fire events combined with predictive modeling of spread dynamics to support evacuation planning and emergency resource allocation



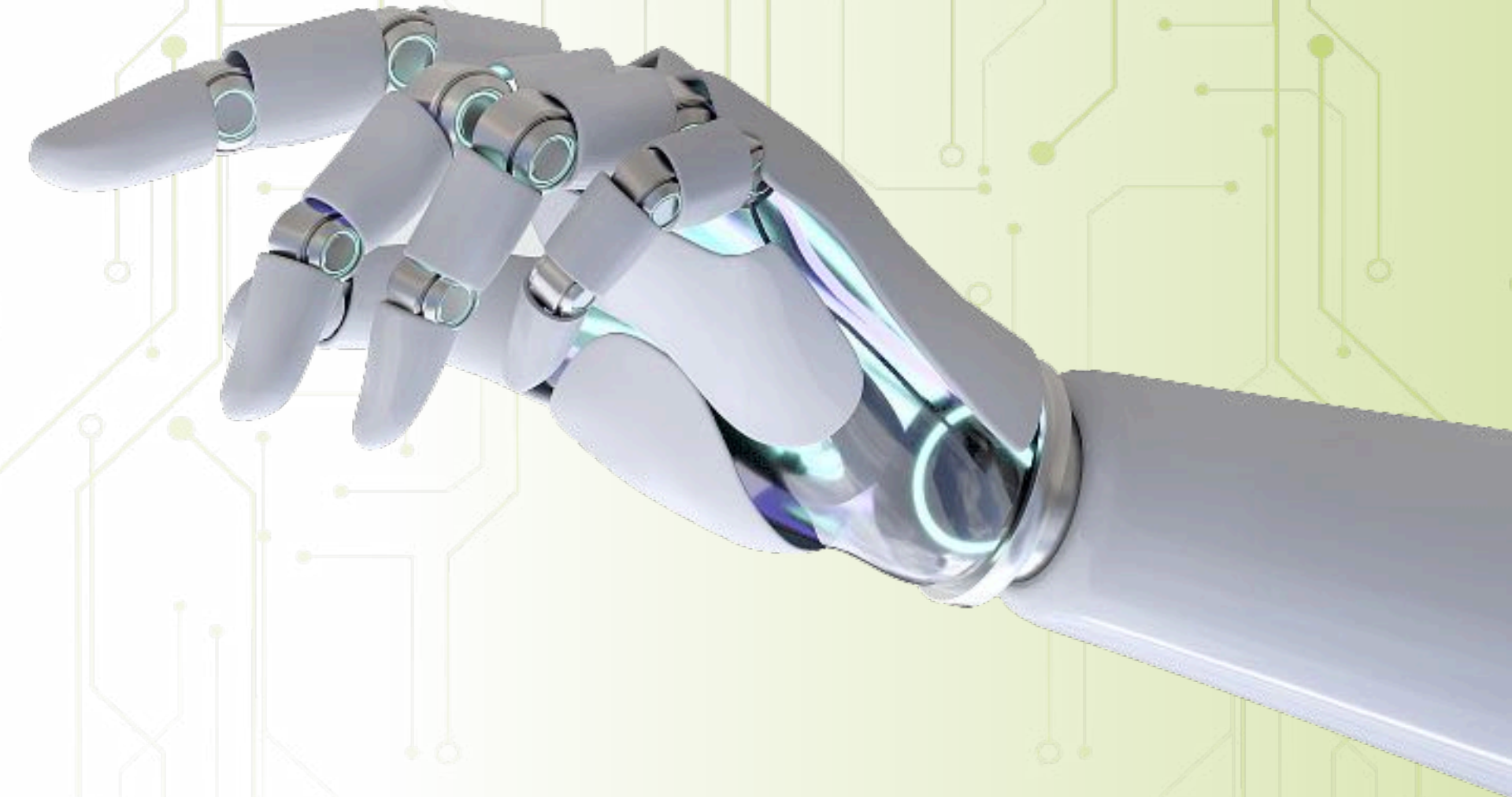
Crowd monitoring and large-scale event management

Real-time tracking of crowd density and movement patterns to ensure public safety during events and prevent overcrowding or critical situations



Infrastructure anomaly detection (e.g., road damage, utility failures)

Identification of abnormal conditions in urban infrastructure to enable preventive maintenance and reduce service disruption



Real-Time Intelligence for Modern Cities

Key outcomes

- ✓ Up to 30% improvement in operational efficiency across city services through unified monitoring and optimization
- ✓ 25-40% faster incident handling and response cycles enabled by automated detection and coordinated workflows
- ✓ Up to 50% reduction in manual monitoring workload through AI-driven video and sensor intelligence
- ✓ AI-assisted cross-domain coordination through a unified platform that connects and correlates multiple city systems





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**THANK YOU
FOR YOUR
ATTENTION!**

