

INTEGRATED GEO INTELLIGENCE

FOR INTERNAL SECURITY

A unified framework of geospatial intelligence systems, AI-enabled analytics and resilient architectures — empowering mission-critical internal security and national resilience.

360°

All-domain
Coverage

24/7

Persistent
Monitoring

<2 min

Sensor-to-COP
Latency



GeoINT Systems



Situational
Awareness



AI Analytics



Surveillance



Border & Urban



Resilience

GeoINT SYSTEMS FOR INTERNAL SECURITY & THREAT MONITORING

Converging multi-source intelligence for persistent, all-domain security awareness

Multi-Source Intelligence Fusion



Satellite imagery, UAV feeds, LiDAR, OSINT, SIGINT and HUMINT converge into a geo-referenced Common Operating Picture, giving commanders persistent all-domain awareness.

Persistent Threat Monitoring



Continuous 24/7 surveillance of priority zones, borders and corridors using automated change-detection algorithms, sensor networks and geo-fenced alert triggers.

Geospatial Threat Mapping



Dynamic hotspot visualisation, movement-pattern overlays and predictive risk maps enable analysts to anticipate threats and pre-position response assets with precision.

360°

All-domain coverage

98%

Geo-fix accuracy

< 2 min

Sensor-to-COP latency

REAL-TIME SITUATIONAL AWARENESS & OPERATIONAL COORDINATION

02

Enabling law enforcement and security agencies with fused live intelligence and coordinated response capabilities



COMMON OPERATING PICTURE

- Geo-referenced, role-based display across all command echelons
- Dynamic layer toggling: terrain, units, incidents, infrastructure
- Sub-500 ms sensor-to-screen latency target



OPERATIONAL COORDINATION

- Geofenced task assignment and inter-agency deconfliction
- Integrated resource tracking on live operational map
- Automated SitRep generation



CRISIS COMMUNICATIONS

- Multi-echelon broadcast to national, regional and district nodes
- Priority-queued alert routing to relevant first responders
- Resilient mesh-radio fallback when primary networks degrade

AI-ENABLED ANALYTICS & GEOSPATIAL INTELLIGENCE

Proactive threat detection and accelerated response through machine learning and predictive geo-analytics



Predictive Threat Modelling

ML models trained on historical incidents, movement patterns and environmental variables to forecast threats across priority zones with geo-precision.



Geospatial Anomaly Detection

Real-time automated identification of crowd density spikes, unusual vehicle routes, perimeter breaches and infrastructure anomalies from live sensor feeds.



Automated Pattern-of-Life

AI builds spatial-behavioural profiles for persons and vehicles of interest, flagging deviations from established patterns for immediate analyst review.



Intelligent Data Fusion & Triage

Cross-domain INT fusion engine scores, ranks and routes alerts to the right analyst, cutting noise and compressing response timelines dramatically.

94%

Threat detection accuracy (ML models)

8x

Faster geo-anomaly identification

67%

Reduction in analyst false-positive load

SURVEILLANCE, OPERATIONAL DATA PLATFORMS & INTELLIGENCE ECOSYSTEMS

04

Integrated technology stack enabling mission-critical security operations across all echelons



PHYSICAL SURVEILLANCE

- Smart CCTV with facial & vehicle recognition
- Persistent-loiter UAV coverage of priority corridors
- Sensor-fused perimeter intrusion detection systems
- Port, airport, rail and highway corridor monitoring
- Acoustic and environmental sensor overlays



OPERATIONAL DATA PLATFORMS

- Cloud-native data lake with resilient edge-node replication
- Real-time streaming pipelines
- Role-based dashboards for command and field teams
- Full audit trail and chain-of-custody logging



GEOSPATIAL INTELLIGENCE (GEOINT)

- Satellite ISR with sub-metre resolution and change detection
- Hyperspectral imaging for concealment and contraband detection
- 3D terrain modelling for tactical planning and route analysis
- Cross-border and maritime domain awareness integration
- Automated geo-object classification and feature extraction



INTELLIGENCE ECOSYSTEM

- HUMINT, SIGINT, OSINT, GEOINT and MASINT correlation engine
- Federated agency nodes with cross-domain information sharing
- Automated fusion of structured databases & unstructured reports

BORDER MANAGEMENT, URBAN SECURITY & CRITICAL INFRASTRUCTURE PROTECTION

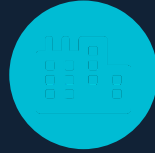
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Geospatial intelligence as the strategic enabler for sovereign protection across all security domains



BORDER MANAGEMENT

- Real-time cross-border movement detection via satellite & ground sensors
- Biometric capture at official crossing points
- Underground passage and maritime anomaly detection
- AI-driven risk profiling of persons and cargo at entry points
- Automated geo-tagged evidence logging for illegal-crossing alerts
- Drone surveillance of remote and porous border segments



URBAN SECURITY

- Smart-city sensor integration: CCTV, IoT devices, acoustic sensors
- Mass-event crowd management with predictive density mapping
- Automated geo-fenced security zone enforcement & access control
- Criminal hotspot mapping and patrol-route optimisation
- Facial and vehicle recognition linked to watchlists
- Rapid incident geolocation and first-responder dispatch routing



CRITICAL INFRASTRUCTURE

- GeoINT perimeter monitoring for power, water and comms nodes
- Cyber-physical threat convergence detection and correlation
- Airspace deconfliction and counter-UAS detection capability
- Supply-chain and logistics corridor monitoring

SECURE ARCHITECTURES & INTEROPERABLE INTELLIGENCE ECOSYSTEMS

Hardened zero-trust frameworks and interoperable networks for national resilience and coordinated crisis response



SECURE & RESILIENT ARCHITECTURE

- Zero-trust multi-layer network segmentation
- Quantum-safe encryption for data in transit and at rest
- Continuous threat monitoring and automated patch management



COORDINATED OPERATIONS FRAMEWORK

- Geofenced task assignment and inter-agency deconfliction
- Secure API-based inter-agency data exchange protocols
- Automated incident escalation and AI-driven decision-support



INTEROPERABLE INTEL ECOSYSTEM

- Cross-platform data normalisation and schema mapping
- Mutual authentication and granular access-control governance
- Scalable architecture supporting future capability onboarding

NATIONAL RESILIENCE & CRISIS RESPONSE CONTINUUM

PREPARE

Pre-positioned sensor grids, geo-referenced contingency planning and inter-agency exercise integration.

DETECT

24/7 automated threat monitoring, AI-scored geo-alerts and predictive risk-map activation at scale.

RESPOND

coordinated deployment, live unit tracking and encrypted escalation chains.

RECOVER

infrastructure restoration mapping and resilience gap analysis for remediation.