



GeoBit AI: System Brief for Protective Operations

Platform Overview: GeoBit AI is an enterprise geospatial intelligence platform that fuses real-time multi-source OSINT, AI-driven threat analysis, and command-and-control operations into a single web-based interface. The platform is purpose-built for protective intelligence, journey management, and field operations -- directly aligned with mission requirements for executive protection, advance work, and site security.

Executive Protection Suite: GeoBit's EP Suite is an AI-powered, 5-phase threat analysis engine designed for principal protection operations:

- **Temporal Threat Scan:** Performs web searching and multi-source intelligence gathering across four time horizons (6-month baseline, 2-week recent, 1-week active, 48-hour immediate) to build a layered threat picture for any destination worldwide.
- **AI Pattern Correlation:** AI analyzes all temporal data to identify historical precedent patterns, catalytic escalation triggers, areas to avoid, recommended travel windows, and an overall advisory level.
- **Route Risk Analysis:** Calculates multiple alternative routes ranked by aggregated risk score, with 500m corridor analysis highlighting dangerous segments. Includes primary, alternative, and contingency/evacuation routes with turn-by-turn narration.
- **Force Sizing Recommendation:** AI-generated protection team composition: detail leader, shift leaders, close protection, drivers, advance agents, counter-surveillance, medics. Includes vehicle requirements (armored/support), equipment lists, and formation recommendations.
- **Safe House & Contingency Planning:** Maps pre-vetted and auto-discovered safe houses near routes. Generates emergency action plans for armed attack, IED, crowd surge, medical emergency, and civil unrest -- each with immediate actions, rally points, extraction methods, and nearest hospitals. Includes principal separation and communications-lost protocols with duress word detection.

Output is delivered as a streaming real-time dashboard and exportable PDF/DOCX report suitable for advance team briefings.

Journey Management & Tracking: The journey management system provides end-to-end movement monitoring for protective details:

- **Protected Route Planning:** Threat-overlaid routing from origin to destination with convoy speed profiles, multi-vehicle support, and isochrone (travel-time zone) analysis.
- **Real-Time GPS Tracking:** Sub-minute position monitoring via GPS devices, secure messaging live location, or API. Automatically detects route deviation (configurable threshold), speed violations, extended stops, and communication loss.
- **Geofencing & Protection Zones:** Define restricted, safe, and checkpoint zones with entry/exit/dwell alerts. Zones can trigger automatic panic escalation and block routing through restricted areas. Supports time-based activation.

- **Check-In System:** Scheduled and recurring check-ins via secure messaging or API with configurable grace periods. Detects embedded duress words in check-in messages as a silent distress signal. Missed check-ins auto-escalate through the chain of command.
- **Escalation & Panic Response:** Multi-level escalation chains with configurable timeouts. Triggers include panic button, missed check-in, tracking loss, geofence breach, and duress word detection. Full alert lifecycle tracking from trigger through acknowledgment, response, and resolution.

Intelligence & Situational Awareness

- 300+ built-in capabilities spanning OSINT fusion, conflict monitoring, terrorism search, cyber threat analysis, crime intelligence, election monitoring, and more
- Real-time multi-source feeds via web searching, authority account monitoring, satellite-derived data, channel monitoring, and RSS
- AI-powered analysis, sentiment analysis, entity extraction, temporal pattern correlation, civil unrest coordination tracking, actor network mapping
- Warzone Logistics Router, route planning through hostile or degraded environments with terrain-aware risk scoring
- Incident Logging, formal incident records with evidence, response actions, and lessons learned for after-action review

Delivery & Integration

- Web-based (no client install) with real-time streaming to all connected operators
- Role-based access control with organization-level data separation
- Alert channels, secure messaging, email, SMS, API webhooks
- GPS device integration, secure messaging integration, geospatial map visualization
- All data stored in a spatial database; deployed on cloud infrastructure

GeoBit AI provides protective details with a single platform for advance threat assessment, real-time movement tracking, and coordinated emergency response -- reducing reliance on fragmented tools and manual intelligence processes.