



Pathfinder

The Future of Mission Advantage

[1] Data Integration & Real-Time Processing

- Multi-source data ingestion
- Real-time data streaming
- Data-agnostic architecture
- Real-time data enrichment
- Continuous monitoring across datasets

[2] Geospatial Visualization & Interaction

- Real-time COP dashboard
- 3D visualization
- Drag-and-drop dashboard configuration
- Area search (polygon and radius-based)
- Route visualization and replay

[3] Tracking & Monitoring

- Multi-device tracking
- Mobile monitoring application
- Persistent entity tracking
- Location history tracking via routes/dwells
- Continuous activity monitoring

[4] Behavioral Analysis

- Pattern of Life (PoL) analysis
- Dwell detection and location identification
- Temporal activity analysis (day v. night)
- Route and movement analysis
- Behavioral anomaly detection

[5] Network & Correlation Analysis

- Co-traveler detection
- Co-location analysis
- Link & network graph analysis
- Cross-entity correlation
- Relationship mapping across datasets

[6] Alerting & Detection

- Geofence alerts
- SOS notification
- Signal detection
- Radio frequency detection
- Anomaly alerts

[7] AI & Advanced Analytics

- Conversational AI Interface
- AI powered data insights
- Automated data summaries
- Digital footprints
- Embedded technology

[8] Operational Coordination & Reporting

- Itinerary creation & check-in
- Observation submission
- Internal group messaging
- Automated report generation (PDF, PPTX.)
- Scheduled analysis & email notification