



Pathfinder

The Future of Mission Advantage

Commanding the Field in Real Time

Pathfinder is a dynamic situational awareness platform designed to provide real-time visibility of personnel, fleets, and missions at scale. Built for complex operations and large events like the FIFA World Cup, Pathfinder integrates mobile, wearable, vehicle, and sensor data into actionable intelligence.

The number of large-scale events slated to take place in the U.S. in 2026 is expected to be the beginning of a decade-long increase in the demand for security solutions driven by AI and rapid innovation. The World Cup tournament alone presents new security challenges to personnel operating across a wide operational environment. Taking place across 11 different U.S. cities involving 48 international teams, playing 104 individual matches. Our objective would be to support the command from an innovative perspective and provide the technology needed to look through vast amounts of data, identify threats, and enhance situational awareness.

For organizations supporting World Cup operations, the challenge is not simply collecting more information. The challenge is understanding what matters, where it is happening, who or what may be affected, and how quickly decision-makers can act before routine activities become operational risk. Pathfinder provides a unified operational intelligence environment designed to support event awareness, personnel support detachment operations, route monitoring, geofence alerting, open-source intelligence fusion, RF awareness, link analysis, sentiment analysis, and AI-enabled workflows. Pathfinder can serve as the intelligence and operational awareness layer that helps teams monitor dynamic environments, protect assigned personnel, prioritize emerging risks, and maintain continuity across multi-city operations.

**ENDURION**



Operational Challenge

World Cup operations introduce a dense and fast-moving operating environment where multiple risk streams may occur simultaneously. These include crowd movement, demonstrations, transportation disruption, suspicious activity near venues, drone or RF detections, negative online messaging, severe weather, medical incidents, traffic congestion, criminal activity and threats to personnel or infrastructure.

Traditional operational workflows often depend on separate systems, manual reporting, delayed information sharing, and fragmented data sources. This limits the ability to build a common operating picture across venues, routes, personnel, and emerging incidents.

Distributed Event Footprint

Matches, team movements, fan activity, media events, hotels, training facilities, and transportation routes may be spread across multiple cities and jurisdictions.

Personnel Accountability Gaps

Personnel support detachment teams need to know where assigned personnel are, whether they are moving through elevated risk areas, and whether their routes or locations are affected by emerging incidents.

Fragmented Data Sources

Relevant indicators may exist across OSINT, social media, global media, public safety reporting, weather feeds, RF sensors, drone detections, traffic data, geospatial layers, and internal personnel updates.

Limited Real-Time Context

Teams may see an alert but lack the surrounding context to determine whether the activity is normal, escalating, coordinated or relevant to assigned personnel.

Event Driven Risk

Sentiment, crowd behavior, protest activity, and public safety risks may change rapidly before, during, and after matches.

Decision Latency

Without automated fusion, prioritization, and alerting, analysts and operations teams may lose valuable time identifying what changed and determining the correct response.

**ENDURION**



Pathfinder's Solution

Pathfinder can be configured as a modular operational awareness platform for World Cup support. It enables users to fuse data sources, monitor geofenced areas, identify anomalies, track personnel and assets, surface relevant OSINT, and generate intelligence products from a unified interface.

Pathfinder does not replace existing emergency management, law enforcement, or incident command systems. It enhances them by providing an intelligence-driven operational layer that connects data, context, alerts, and workflows into a common operating system.

Core Capabilities

- Common Operating Picture for venues, routes, hotels, and staging areas
- Geofenced monitoring and deviation alerts
- Route monitoring and deviation alerts
- Personnel accountability and check-in workflows
- OSINT and global media fusion
- Sentiment analysis around teams, venues, events, and public narratives
- Link analysis for connected users, posts, locations, events, and indicators
- RF and signal awareness for WiFi, BLE, GNSS, and drone detection
- Anomaly detection based on behavior, location, reporting, or signal change
- AI-enabled analyst workflows for summaries, reports, and operational questions
- Role-based access and privacy-conscious workflows for sensitive data handling
- After actions reporting and measurable analytics for leadership review

The result is a coherent, synchronized common operating picture that scales from venue command posts to Joint Task Force headquarters, reinforcing unity of effort without diluting the mission. Pathfinder's interface emphasizes clarity and actionability. Operators can toggle configurable data layers, filter by unit or asset type, and switch between personnel, fleet and mission status. Secure mobile connectivity maintains tempo across fast-moving environments. This ensures both the fidelity and integrity of the data fueling time sensitive decisions during mass events.



ENDURION



Use Case I

PSD Route Monitoring and Personnel Accountability

Challenge: Static movement plans can quickly become outdated due to protests, crowd surges, traffic disruption, criminal activity, severe weather, or emerging security incidents. PSD teams need to know when a route becomes elevated risk, whether personnel are near an incident, and whether alternate movement plans are required.

Solution: Pathfinder can monitor primary, alternate, and emergency routes using geofence corridors and multiple data sources, ranging from social media to sensor collection. The platform can alert users when a route intersects with emerging risk, when assigned personnel deviate from planned movement, or when personnel are near an incident area. Check-in workflows, SOS alerts, and location-aware status updates provide the PSD with a real-time accountability picture.

Pathfinder Enables

- Common Operating Picture
- Geofencing and Alerts
- Route Analysis and Replay
- Personnel Check-In and Itinerary Monitoring
- SOS and Emergency Alerts
- Incident Proximity Alerting
- AI Smart Analytics for embedded workflows, summaries, predictions, recommendations, and supporting the end user navigate through thousands of data points

Operational Value: Pathfinder enables PSD teams to adjust movement before entering affected areas, confirm personnel welfare, reduce manual tracking, and maintain a documented operational picture of personnel status and route decisions.



ENDURION



Use Case II

Venue, Hotel, and Fan Zone Threat Awareness

Challenge: Large public gathering areas create overlapping risks, including crowd instability, protest activity, suspicious behavior, criminal activity, medical incidents, drone or RF detections, and misinformation. Operations teams need early warning when routine event activity begins shifting toward operation concern.

Solution: Pathfinder can geofence venues, hotels, fan zones, and staging areas to monitor OSINT, global media, incident reports, weather, RF detections, and other operational indicators. In other words, Pathfinder is not limited by the type of data needed to create the full picture. The platform can surface anomalies, identify spikes in negative sentiment or reporting, and connect digital indicators to physical locations.

Pathfinder Enables

- Common Operating Picture
- Geofenced Monitoring
- Live Stream Data Ingestion
- Anomaly Detection
- RF and Signals Awareness
- Drone Detection Integration
- Observation and Incident Reporting
- AI-Generated Operational Summaries

Operational Value: Pathfinder helps teams identify emerging risk around critical locations, prioritize affected areas, and understand whether an event is isolated, escalating, or connected to planned personnel movement. This gives leadership and operations teams a shared view of where attention is needed most.



ENDURION



Use Case III

Sentiment, Narrative, and Link Analysis for Early Warning

Challenge: During the World Cup, online narratives can shift rapidly. Teams need to distinguish normal fan activity from messaging that may indicate coordinated protest planning, targeted threats, public disorder, or risk to assigned personnel and protected locations.

Solution: Pathfinder can analyze social and global media sources to detect changes in sentiment, identify emerging narratives, and map relationships between users, posts, locations, events, and recurring topics. Link analysis helps determine whether activity is isolated, coordinated, or connected to known areas of concern.

Pathfinder Enables

- OSINT and Global Media Fusion
- Sentiment Analysis
- Link and Network Analysis
- Embeddings and Digital Footprints
- Event Correlation
- AI Smart Analytics
- Automated Report Generation

Operational Value: Pathfinder provides early warning before digital activity becomes a physical security issue. Analysts can connect narratives to locations, assess whether activity is escalating, and provide leadership with explainable, data-driven reporting that supports proactive operational decisions.



ENDURION



Pathfinder

Built to Scale, Updated at Speed, and Tailored to the Mission

The FIFA World Cup is a nationally significant security event with international dimensions. It requires an integrated homeland defense posture, seamless interagency and coalition coordination, persistent situational awareness, controlled information sharing, and rapid, data-driven decision support.

Pathfinder is engineered to fulfill these requirements by transforming distributed personnel and fleet data into secure, actionable intelligence while enabling disciplined multinational interoperability under mass events.

- Integrated homeland defense posture
- Seamless interagency and coalition coordination
- Persistent situational awareness
- Controlled information sharing
- Rapid, data-driven decision support

Take Away: In a World Cup operating environment, the ability to understand change in real time is critical to protecting personnel, maintaining awareness, and supporting timely operational decisions. Pathfinder provides the fused intelligence, geospatial context, personnel accountability, and AI-enabled workflows needed to connect digital indicators, physical activity, and mission impact within a single operational picture. By aligning venue awareness, PSD movement security, early warning intelligence, and after-action reporting, **Pathfinder enables teams to move from fragmented monitoring to proactive operational awareness across complex, high-visibility events.**

Address

2701 N Rocky Point Dr,
Tampa, FL 33607

Contact

info@endurion.com
(813) 902-3557

Book a Demo

endurion.com
demo@endurion.com

**ENDURION**