



Asset & Personnel Tracking Solution

- Real-time positioning of people and assets
- Proactive safety alerts and response support
- Data-driven insights for operational optimization



Healthcare



Smart Buildings



Campuses



Critical Facilities



Factories



From Blind Spots to Intelligent Field Management

In high-density and mission-critical environments, operational teams often rely on manual checks, disconnected systems and delayed information. This can create visibility gaps, slow emergency responses and limited process improvement. Delta's Asset and Personnel Tracking (APT) solution transforms field management by creating a centralized platform for real-time tracking, safety monitoring and operational analysis.

Key Challenges



Visibility Gaps

Unknown locations of personnel and assets increase the need for manual checks and time-consuming searches.



Response Delays

Missing real-time information during incidents can slow down emergency responses and reduce situational awareness.



Disconnected Systems

Siloed systems make it difficult to gain a complete view of operations, safety events and resource movement.



Limited Insights

Without historical data, teams often rely on experience instead of measurable insights for optimization.

From Traditional Management to Real-Time Operational Intelligence

Traditional Management		Delta APT Approach
Manual and time-consuming tracking	➔	Real-time visualization
Passive and delayed response	➔	Active alerts and early warning
Fragmented information	➔	Centralized platform
Experience-based decisions	➔	Data-driven optimization

Features and Benefits

Delta's APT solution combines real-time visibility, proactive safety management and operational analytics in one centralized platform. These core functions help organizations track people and assets more efficiently, respond faster to events and continuously improve workflows.

Positioning and Dynamic Tracking

Real-Time Display

Cross-floor and cross-zone visibility of personnel and assets.

Trajectory Playback

Historical path traceability for audits and incident review.



Active Alerts and Safety Monitoring

Restricted Area Alerts

Monitor geofence events and trigger alerts for restricted-area breaches.

Device Status Monitoring

Detect device anomalies and low-battery status to support reliable daily operation.



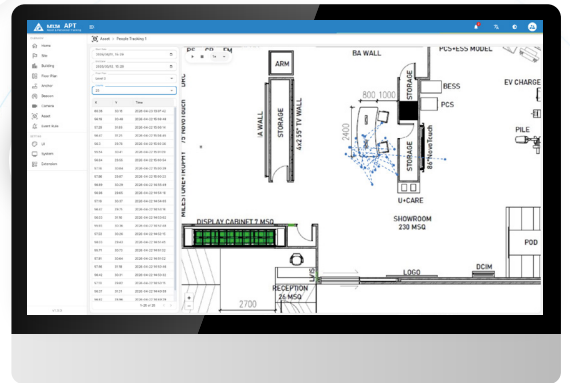
Flexible Integration Platform for Add-On Services

Third-Party Extension Support

Allows partners to build and embed custom modules into Delta's APT software platform.

Scalable Service Expansion

Enables users to add new services over time as operational needs grow or change.



Operational Impact

Faster Search and Coordination

Locate people and assets in real time to reduce search time and improve team alignment.

Safer, More Proactive Response

Detect risks early and act immediately to prevent incidents and protect people and assets.

Flexible Growth with Add-On Services

Expand the APT platform with third-party modules and services, to meet customer-specific requirements and support tailored solutions.



Function List

Function Area	Key Functions
Positioning & Tracking	Real-time map-based location display, cross-floor and cross-zone tracking, trajectory playback
Real-Time Visibility	Centralized dashboard with map visualization, quick search, filterable tables, heatmap view
Safety Management	Geofence entry and exit detection, restricted-area alerts, SOS alerts, abnormal event reporting
Asset Management	Asset location tracking, movement history, beacon assignment, asset type management, utilization visibility
Personnel Management	Personnel location visibility, zone-based monitoring, movement history, safety event support
Device Management	Anchor and beacon overview, device status monitoring, low-battery alerts, offline detection, anomaly reporting
Event & Alert Management	Configurable event rules, instant notifications, pending and handled event overview, alert handling workflow
Data Insights	Historical movement playback, heatmap analysis, event statistics, operational trend visibility
Camera Integration	VSS and RTSP camera support with map-based camera linking for enhanced site visibility
System Integration	RTLS service provider selection, BMS/IoT integration readiness, third-party application support
Extension Platform	Add-on module management, extension upload and deletion, support for third-party service expansion
Deployment & Administration	Multi-site structure, site/building/floor plan management, SSO, license activation, user account management, language settings, display mode options



More information

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2026/05