PERSONNEL & ASSET TRACKER
Real-Time Fleet Management and Tracking System

ST Engineering
LOCATE AND TRACK
YOUR WORKERS OR HIGH-VALUE ASSETS

The AGIL™ Personnel and Asset Tracker (PAT300) is a real-time outdoor, location-based tracking system that utilises GNSS location updates to provide high fidelity and responsive tracking of your personnel and high-value assets. AGIL PAT300 is fitted with an on-board dead reckoning module that provides location estimates in areas outside of network coverage.

The tracker allows effective management of geofencing by designating restricted zones and rules through an intuitive dashboard.

The system provides instantaneous alerts and information when unauthorised access into these restricted zones, or violation of specific pre-set tracking rules is detected. Every tracker works in a 3G/4G enabled environment so that operational costs are kept low.

At any given point of time, up to 6,000 trackers can be deployed and tracked with their locations being updated in every four seconds. Users can choose to configure and monitor the tracker to their business needs via a laptop or other mobile devices. Polygonal geofencing is also available through our mobile app for effective area management.

CONNECTIVITY AT YOUR FINGERTIPS

Key Applications
- Personnel movement
- Fleet management
- Assets tracking

Key Features
- Compact, lightweight and wireless
- ± 3 metres GPS accuracy
- Fast update rate (every 4 secs)
- Fast charging
- Long battery life of up to 12 hours
- Desktop or remote monitoring and configuration
- Ruggedised and tamper-proof

Key Benefits
- Monitors and ensures logistical, safety and security of personnel and assets.
- Receives first-hand updates on ground happenings or rules violation.
- Improves operational efficiency and allows quick decision making during emergencies.
- Supports a high number of tracker deployment at any one time.
Human and vehicle movements are mostly restricted in construction sites, airports, transportation hubs and manufacturing facilities. To ensure job site safety, geofencing can detect unauthorised activity in these pre-defined zones and alert the users of access violation.

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**Geofence Sites**

The movement tracking of law enforcement authorities and first responders ensures their safety when they are on emergency missions. When in distress, the users can send an emergency signal through the tracker to call for help.

**Indoor Tunnels**

In situations where GNSS coverage is not available, AGIL PAT300’s dead reckoning function can provide estimated locations to the control centre for tracking continuity. AGIL PAT300 provides a reliable means of tracking for enhanced personnel and fleet management.

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**TECHNICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Dimensions (L × W × D)</td>
<td>95 × 59 × 18 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>118 g</td>
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<tr>
<td>Power Source</td>
<td>Rechargeable battery or external 5 V power source</td>
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<tr>
<td>Battery Life</td>
<td>12 hours</td>
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<tr>
<td>Ingress Protection</td>
<td>IP67</td>
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<tr>
<td>Connectivity</td>
<td>3G / 4G Mobile Network</td>
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<tr>
<td>GNSS Coverage</td>
<td>GPS / GLONASS / BEIDOU</td>
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<tr>
<td>Charging Port</td>
<td>Magnetic pogo pin</td>
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<td>Operating Temperature</td>
<td>-20 °C to +50 °C</td>
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