

Remote Logistics: Intelligent Asset Tracking & Management solution

A COVID-19 Imperative



About The Solution



For global supply chains, meeting the needs of a disrupted post COVID-19 world is akin to baptism by fire. Wildly varying demands of essentials like drugs, vaccines, ventilators and PPE kits, rapidly worsening supply shortages at multiple locations and a lack of accurate, contact-less custody management are beginning to strain already stretched out supply chain networks. As businesses enforce compliance with social distancing norms and deploy reduced workforces, the need to improve traceability of assets and maximize utilization of resources becomes critical.

The **Intelligent Asset Tracking & Management (IATM)** solution by IoT WoRKS™ is an end-to-end offering that leverages tracking sensors like RFID and BLE (among others), on-premise IoT gateways, and offers cloud & on-premise deployment options for secure and scalable application – monitoring and automating real-time visibility and control of connected assets.

IATM finds increasing application where inventory usage & asset management must be transparent and continuously audited with lesser available resources. The solution makes tracking movement & inventory of medical kits and drugs as they are used in COVID-19 -hit premises, as well as ensuring an automated & precise check on workplace assets as they are moved across premises.

Challenges addressed | Healthcare



Addressing shortage of drugs, PPE kits, ventilators, due to unprecedented demand



Tracking of assets within and across COVID-19 -hit zones in healthcare spaces

Adherence to regulatory principles – checking expiry dates of medical supplies in stock



Challenges addressed | Multiple industry assets

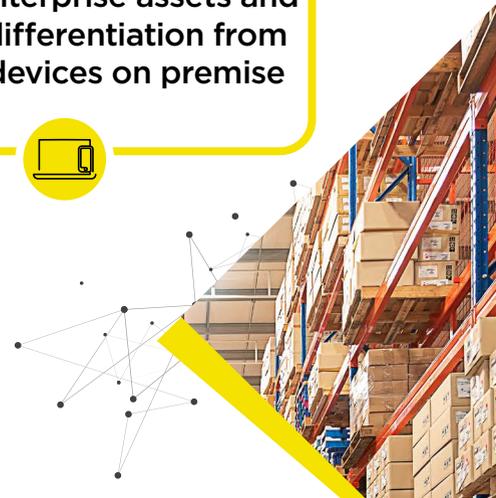


Addressing traceability with lesser deployable resources for physically monitoring assets



Inventory management issues rising from movement of assets across premises

Tracking enterprise assets and ensuring differentiation from personal devices on premise





Features



Real-time asset monitoring: Track asset location and movement in real-time, including entry and exit detection across critical passage areas



Inventory visibility & alerts: Real-time inventory count, and proactive theft prevention alerts



Centralized records management: Centralized data management and integration, detailed, always available audit reports



Web & mobile apps: Enables end-to-end asset visualization, complete asset lifecycle management – from on-boarding to de-boarding



Cloud based dashboards: Displays locations, movement, generates alerts, enabling proactive track and trace of assets

Benefits



Track asset movement: Track location and movement of assets in specified zones and premises with reports available on dashboards – enabling greater control and visibility of assets



Automate stock-keeping: Automate manual and physical cycle counts & stock keeping through different tracking technologies and web based & mobile apps



Enhance lifecycle management: Monitor assets across their lifecycles from procurement to disposal including tracking custody information



Maximize asset utilization: Regularize inventory audits with the provision of checking for assets nearing end of life at the earliest for better utilization



Optimize operations: Automate asset tracking to better manage inventory cycles and optimize demand forecast – enhance operations by tracing healthcare asset locations and movements, ensuring hygiene compliance





The Impact

 <p>98-99% asset visibility and accountability to track asset whereabouts and custody information</p>	 <p>80-85% improvement in accuracy of asset inventory & audit processes to facilitate maximum asset utilization</p>	 <p>75-90% improvement in operational efficiency by remarkably reducing time spent on searching for critical assets</p>	 <p>25-30% asset write-off cost reduction due to automated & improved visibility & control of assets</p>
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Use Case (Healthcare)

 <p>Tracking in-out movement of IoT sensor tagged equipment using fixed reader</p>
 <p>Speed up ambulance/hospital inventory readiness using IoT/tracking devices as direct line of sight is not required</p>
<p>Rapidly check for medications/other equipment nearing expiry date</p> 

Use Case (Industry Assets/ EUC devices)

 <p>Improving inventory audit efficiency using limited resources</p>
 <p>Securing IT assets and data/intellectual property worth millions by tracking movement across premises</p>
<p>Higher asset visibility of asset inventory leading to improved utilization</p> 