Litum

Real-Time Location Systems for Industrial Settings

Real-Time Locations, Real-World Impact

Imagine having the power to see every moving part in your industrial operation in real time, transforming chaos into streamlined efficiency. Real-Time Location Systems (RTLS) are revolutionizing safety and productivity, offering unparalleled insights into the precise locations of your workforce, assets, and vehicles. With RTLS, you are not just managing resources – you are optimizing them, turning data into actionable intelligence that enhances operational visibility and drives smarter decisions.

At the forefront of the RTLS space, Litum has crafted cutting-edge solutions that leverage advanced wireless communication technologies. By utilizing Ultra-Wideband (UWB) and Bluetooth Low Energy (BLE), Litum offers hybrid RTLS solutions tailored to meet varying accuracy and power requirements, ensuring maximum impact and reliability.

With Litum, you can achieve:

- A safer environment for workforce, assets, and vehicles
- Faster response times to incidents and emergencies
- Better management of workflows
- Smarter utilization of assets and spaces

Industrial RTLS Solutions

- Asset Tracking
- Forklift Tracking
- Connected Worker
- Lone Worker Safety
- Emergency Mustering
- Process Tracking
- Forklift Collision Warning
- Yard Management

Asset Tracking

Visibility Into Asset Locations for Improved Operational Safety, Efficiency, and Productivity

Misplaced or lost assets can disrupt operations and lead to significant losses. Litum's Asset Tracking solution provides real-time visibility into the location of your assets, ensuring they are always within reach. It enhances productivity, optimizes asset usage, and safeguards against theft or loss by monitoring the whereabouts and movements of assets.

Results

- Awareness of asset locations and movements, less time spent on search
- Minimum idle time and maximum utilization
- Easy identification of misplaced or stolen assets
- Reduced costs through minimizing lost or stolen assets
- Improved safety through proper location and handling of sensitive equipment
- Access to historical data for trend analysis and informed planning

20%
of workday lost due to searching for assets

Employees spend an average of 1.5 hours per day looking for misplaced items or equipment. This amounts to almost 20% of the workday being lost to inefficient asset tracking

- Manufacturing Report

Scan to Watch How Litum Asset Tracking Solution Works

Connected Worker

Live Workforce Location Data for Enhanced Safety and Efficiency

Awareness around workforce movements across various environments is key to enhancing operational efficiency and safety. Litum's Connected Worker solution offers real-time location insights down to sub-meter accuracy, enabling rapid response in times of crisis and better workflow management overall. Connected Worker RTLS ensures increased safety, streamlined operations, and reduced costs by providing clear visibility into workforce movements and space utilization.

Results

- Increased employee safety
- Movement visibility for efficiency
- Streamlined workflows and space utilization
- Efficient resource allocation
- Reduced operational and insurance costs
- Compliance with regulations

6.9 weeks

per year walking around facilities

Warehouse workers can spend as much as 6.9 weeks per year walking around facilities, pointing towards an opportunity for improvement in workforce efficiency and space utilization.

- Georgian Institute of Technology

Scan to Watch How Litum's Connected Worker Solution Works

Emergency Mustering

Fast and Precise Locations and Headcounts of Your People, When It Matters Most

In emergencies, knowing the exact headcount and whereabouts of employees is crucial. Litum's Emergency Mustering solution automates the headcount process, providing accurate location data on employees through wearable electronic badges. This ensures swift identification of people during evacuations, significantly improving safety and accountability while saving valuable time and resources in critical situations.

Results

- Reliable accountability and safety during emergencies
- Automated processes that yield faster and more reliable results
- Scalability and flexibility, accommodating organizations of various sizes, from small businesses to large enterprises
- Compliance with data privacy regulations, with an option to mask employee identities so that data stays anonymous as needed

Scan to Watch How Litum's Emergency Mustering Solution Works

Badge Tag for Employees

- Rechargeable Battery
- Programmable Buttons
- Motion Sensor
- Vibration Alerts
- Access Control
- IP65 protection

Forklift Collision Warning

Safer Forklift Operations for Everyone Involved

Forklift incidents can pose significant risks in industrial settings. Litum's Forklift Collision Warning solution enhances safety by providing real-time location tracking and proximity alerts. Through alerts, geofencing, and data analytics, the solution helps prevent collisions, ensuring a safer work environment and regulatory compliance. It also increases operational efficiency by reducing downtime and maintenance costs associated with incidents.

Results

- Minimized collision risk, safer employees, and a more productive workplace
- Better operator awareness, including in low visibility conditions and blind spots
- Sustainable operations directly powered by the forklift battery
- Enhanced regulatory compliance and savings on insurance costs

$48,000
cost per non-serious injury

The average cost of a forklift accident is estimated to be $48,000 per non-serious injury and $1,390,000 per death.

- National Safety Council

Scan to Watch How Litum's Forklift Collision Warning Solution Works

Forklift Tracking

Smooth Forklift Operations Through Data Insights and Analytics

Efficient forklift operations are crucial for seamless material handling. Litum's Forklift Efficiency solution uses real-time tracking to optimize forklift movements, reduce idle time, and streamline workflows. Through detailed reports and dashboards, the solution enhances visibility and facilitates informed decision-making. With optimized utilization and maintenance, businesses can achieve significant cost savings and improved productivity.

Results

- Identification of operational bottlenecks and areas for improvement
- Optimized forklift operations for time and cost savings
- Reduced idle time, streamlined forklift utilization and workflows
- Accountability and informed strategic planning

16,000+
Forklifts with Successful Deployments

300,000,000
Square Feet Area Covered

* Optimized by Litum to-date

Lone Worker Safety

Dedicated Safety Oversight for Workers in High-Risk Environments

Staff working in risky environments require urgent aid during emergencies. Litum's Lone Worker Safety solution utilizes real-time location tracking to promptly notify of potential risks, enhancing situational awareness, ensuring regulatory compliance, and optimizing safety protocols. This comprehensive system provides peace of mind to employers and employees alike by delivering swift and precise responses to emerging risks, thereby fostering a safer workplace environment.

Results

- Improved worker protection with faster responses
- Increased situational awareness and proactive safety
- Enhanced regulatory compliance, mitigating legal risks
- Streamlined safety protocols, leading to a better workplace

70%

organizations experience lone worker incidents

Between 2018 and 2021, nearly 70% of organizations experienced safety incidents involving lone workers, who constitute around 15% of the current workforce.

- National Safety Council

 Scan to Watch How Litum's Lone Worker Safety Solution Works

Yard Management

Optimized Vehicle Workflows and Informed Decision-Making for Efficient Yard Operations

Efficient yard management is critical for smooth material handling and turnaround times. Litum's Yard Management solution automates trailer check-in and check-out, reduces queues, and speeds up loading and unloading. With real-time monitoring and smart analytics, Yard Management RTLS provides full visibility of all trailers, assets, and personnel, enabling informed decision-making and optimized vehicle workflows.

Results

- Efficient yard operations through bottleneck identification
- Optimized vehicle workflows with minimized queues
- Accelerated loading and unloading times
- Streamlined check-in and check-out processes, reducing manual labor

Process Tracking

Enhanced Manufacturing Flows with Smart Process Integration

Accurate tracking of each product on the manufacturing floor is essential for efficient production management. Litum's Process Tracking solution offers real-time identification and control over every facet of production, reducing human error and improving quality control. By enhancing visibility and minimizing equipment downtime, Process Tracking RTLS boosts overall operational efficiency and supports data-driven process improvements.

Results

- Enhanced operational efficiency and maintenance scheduling
- Reduced dependency on manual processes, cutting down on human error and increasing reliability in production management
- Improved production control with enhanced oversight and management of manufacturing processes
- Minimized equipment downtime and enhanced availability
- Data-driven process improvements and optimized manufacturing workflows

Trusted By

Discover Litum's Unique Edge

Continued Innovation Spanning 20 Years

Choosing Litum for your industrial settings means embracing a legacy of expertise and innovation, recognized globally in Fast Company's 2024 List of the World's Most Innovative Companies. With two decades of experience across 50+ countries, our solutions are shaped by global best practices and real-world challenges. Over the past decade only, Litum has been deployed on more than 15,000 forklifts, maximizing safety for 200,000 people and enabling significant cost savings for businesses.

Seamless Integration

Tailored for the intricate demands of industrial environments, Litum's industrial solutions are designed to connect with your existing workflows, facilitating operational efficiency and adaptability in dynamic settings.

Turnkey Provider

At Litum, we go beyond providing solutions; we are your turnkey partner for end-to-end location-based services. Our comprehensive offerings cover a spectrum of needs, providing you with a convenient one-stop solution for all your requirements.

Precise Location Accuracy for Maximum ROI

Litum's industrial solutions stand out with unparalleled precision in location tracking. Powered by our UWB technology, we deliver sub-meter accuracy crucial for the challenging and dynamic industrial environments. This precision ensures the highest level of safety and efficiency, dramatically elevating workplace safety and optimizing operational workflows.
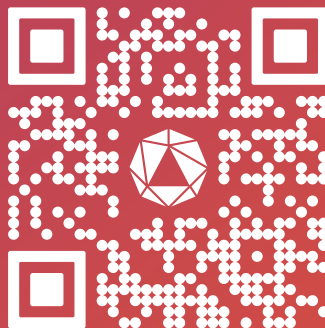
In-House Expertise for Quality Assurance

We take pride in our in-house Research and Development (R&D) and manufacturing capabilities. This unique approach ensures a high level of control over innovation and quality, guaranteeing that our solutions consistently meet and exceed industry standards.

Recognized Excellence

Litum is not just another RTLS provider; we are recognized industry leaders by institutions such as Gartner, Deloitte, and Fast Company. In 2022, our forklift collision warning solution earned the IoT Evolution Product of the Year Award. When you choose Litum, you are opting for proven excellence and leadership in location-based solutions.

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