



Warehousing

VIEW AND MANAGE CONNECTED VEHICLES THROUGHOUT AN ENTIRE FACILITY

Your clients are increasingly concerned about environment, health, and safety (EHS) and dealing with demand for lower costs, faster response times, and easy training for operators. Existing, disconnected systems available for warehouse and fleet management can't deliver the benefits of real-time location and the IoT.

Redpoint Positioning has developed patented, game-changing technology that combines the connectivity of the Internet of Things (IoT) with a powerful, real-time location system (RTLS). By connecting vehicles, personnel, and the facility, you get unprecedented visibility into how your assets are moving in real-time, empowering you with actionable data to improve safety, efficiency, and productivity and preparing you to scale for future growth.

Redpoint's RTLS At-A-Glance



ACCURATE

Ultra Wideband (UWB) and maintains accuracy in the most complex environments



SCALABLE

Enables large and scalable coverage with unlimited tags



FAST

Very low latency means quick response times and more control, even when server is disconnected



CONNECTED

Anchors form a mesh network, equipment and people stay connected



OPEN

Easy integration with third-party applications and custom hardware

SAFETY

Connected vehicles can reduce collisions with geo-fencing, real-time location data, and collision avoidance systems. Managing and tracking safety in warehouses is essential to minimizing risk and reducing costly accidents. Redpoint's system offers collision warnings and enables active collision avoidance by partnering with vehicle manufacturers.

Geo-fencing to Create Safe Zones

When operators are dropping or pushing materials into location or speeding through the warehouse, operators performing physical inventory or other tasks are at risk. Geo-fencing can automatically alert an operator if they have entered a pedestrian area and to slow down. In some cases, vehicles can be placed in a speed-restricted state when entering safe zones.

Vehicle, AGV, and Pedestrian Collision Avoidance

Your operators can't see around corners, beyond aisles, or past stacked pallets, and they won't always be able to see and react to blue spots in time to avoid catastrophe. Redpoint's system can automatically notify operators and pedestrians of the presence of equipment.

Compliance

To ensure compliance with ISO 45001, Redpoint enables vehicle-to-vehicle connectivity to reduce potential collisions, record all near miss incidents, and report on safety metrics. Redpoint also tracks historical evidence to enable playback and spatial or temporal search to visualize the activity around the time and location of an incident.

EFFICIENCY

Clients can determine optimal routes, identify idle time, and ensure the fleet is the correct size.

Redpoint works with forklift manufacturers and Warehouse Management Systems (WMS) to track materials and equipment, providing unparalleled visibility into warehouse and distribution centers. By creating efficiencies in existing operations, we help clients increase capacity, reduce response time, and make room for value-added services.

Location Awareness

With full visibility to the movement of stock and equipment, your clients will better understand whether equipment is being used or has additional capacity. They will see if high-use materials are in prime locations in the facility and can re-locate them for a streamlined process. In addition, location-based task assignment or dispatch cuts down the response time and reduces work fatigue as employees walk less during a shift.

Manual Monitoring

Manual monitoring is costly, time-consuming, and inaccurate. Redpoint reduces the need for ongoing workforce training and creates consistency in tracking and managing operations. Unlimited tags are easy to install and remove as operational needs change.

Scalability

The capacity and affordability of Redpoint's UWB network and connected positioning solutions enables clients to grow beyond what was previously possible.

PRODUCTIVITY

Analyze data to optimize your operations and increase capacity. How do your clients know whether drivers are taking the shortest route or if bad routes are causing congestion? Are operators spending time away from tasks? Redpoint provides data that enables managers to see all aspects of their operations, empowering them to make decisions that optimize productivity for future growth.

Visibility

See attendance, activity time, and distance travelled. View zone information and real-time activity reports. Redpoint's high update rate (>50Hz) and zero latency solution means managers always have the most up-to-date, accurate data at your fingertips.

Seamless Connections through Open API

Redpoint's open API and WebSocket makes it easy to integrate to existing warehouse management systems, vehicles, and external sensor data.

Paperless Billing and Documents

With automatic, paperless reporting, clients can easily view timesheets, attendance, and other metrics that impact productivity.

PREPARING FOR THE FUTURE OF FORKLIFT

While Redpoint's RTLS is enabling powerful change in warehouses today, the future will prove even more dynamic when today's passive systems are replaced by active collision avoidance.

- Use geofencing to actively enforce speed limit zones and maximum occupancy
- Tag-to-tag communication can assist in compliance with safety regulations
- Add parameters around truck performance until a condition is cleared

Redpoint is making new, connected vehicle capabilities possible.

Redpoint's technology was built to address limitations like ease of installation, scalability, and inter-operability. We create efficiencies in the management of operations that connect the entire supply chain and help facilitate your true potential.



Redpoint

See the moving world

To schedule a demonstration or learn more, contact us today
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