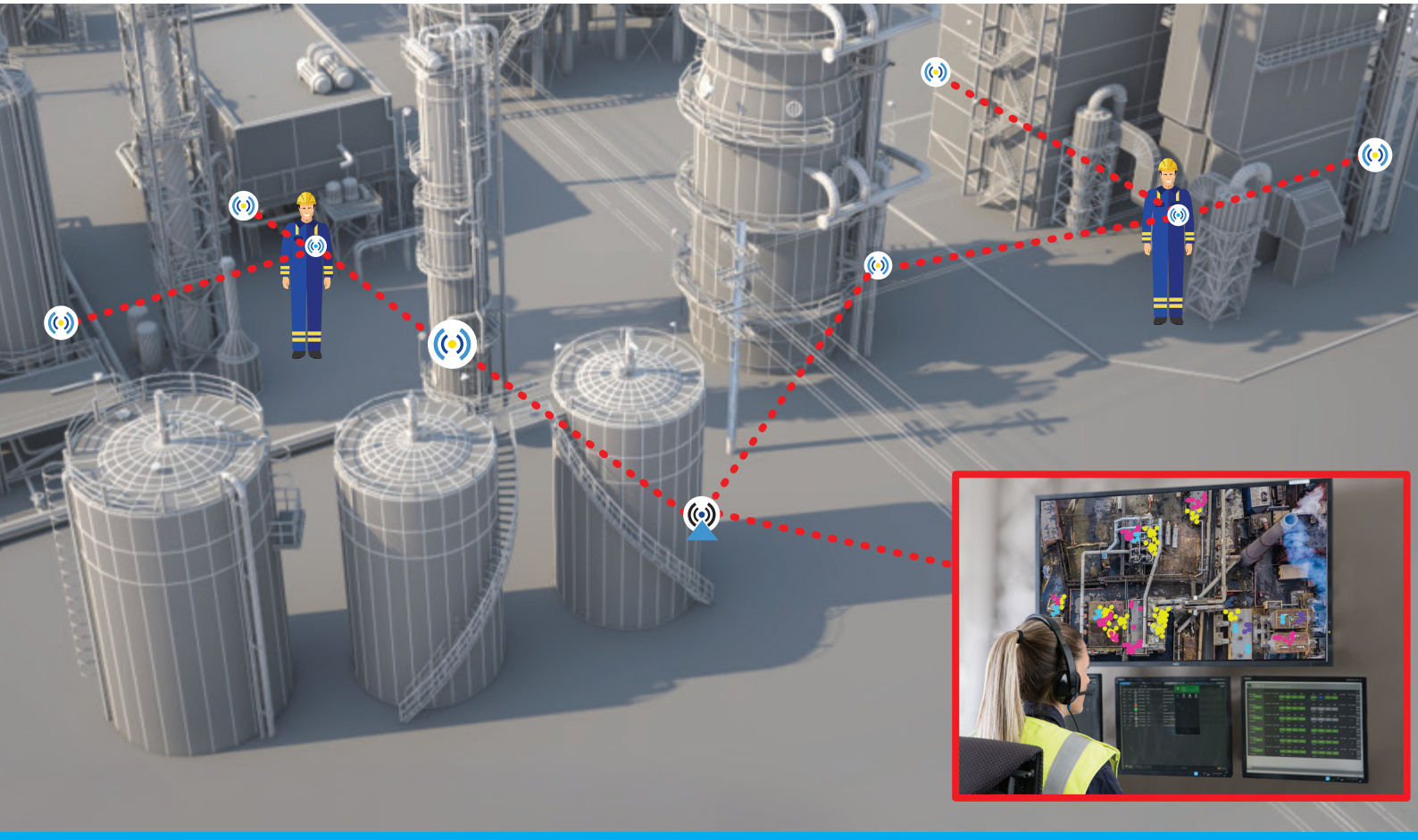


TeQ Shield™ Tracker

Impact your business in real time with Real Time Location Solutions (RTLS)

Real time challenges need Real time solutions

Do you know the exact location of all your onsite workers in real time? In an emergency, can you reach your workers immediately? Can you prevent accidents from occurring by ensuring that workers without proper permits are not allowed in high-risk areas of the worksite? Can you reduce onsite collisions between workers and vehicles through a real time warning system?
The answer to all these challenges lies in Real Time Location Services.

Safety and Productivity. Delivered.

The one-stop solution for all your tracking and monitoring requirements.

The TeQ Shield™ Tracker is a flexible, scalable, cost-effective and versatile tracking system that can be customized to your exact requirements. Our Real time Location System (RTLS) leverages instantaneous positioning technologies: Active Radio-frequency Identification (RFID) or Ultra-Wideband (UWB) for real-time monitoring, tracking, locating and managing your personnel and assets from a central point. RFID offers positioning by using radio waves to wirelessly transmit the location. UWB imparts precise indoor positioning with less than one-meter accuracy through short-range radio technology.

The result? Continuous, real-time, long distance employee tracking within your facility.

Key benefits of TeQ Shield™ Tracker:

- Monitor the movement and location of employees with high submeter accuracy
- Monitor lone workers for improved safety; ID badges can be equipped with panic buttons and fall notification
- Identify and eliminate non-value-added time to optimize workflows
- Reduced costs and man hours for increased efficiency
- Effective protection for workers in emergency situations

  Easy installation and removal making it suitable for short term projects
- Flexible, scalable and can be integrated with various mobile devices via web interface for field/ remote management
- Robust report generation tool for customized reporting
- Can be utilized to track worker productivity and time keeping
- Asset tracking can be integrated to monitor usage of equipment or power levels

Personnel tracking made easy

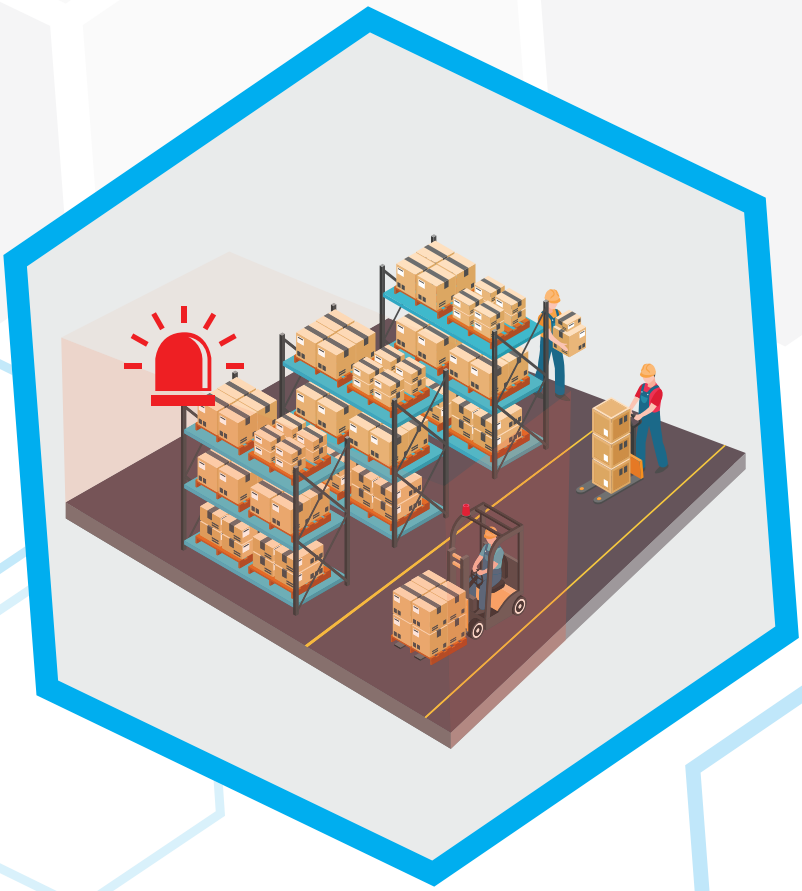
Know exactly where your workers are from badge-in to badge-out with real time personnel tracking services. This allows you to track where personnel spend most of their time. Productivity can be enhanced by reducing bottlenecks and also by ensuring that workers spend more time in the productive areas of the work site.

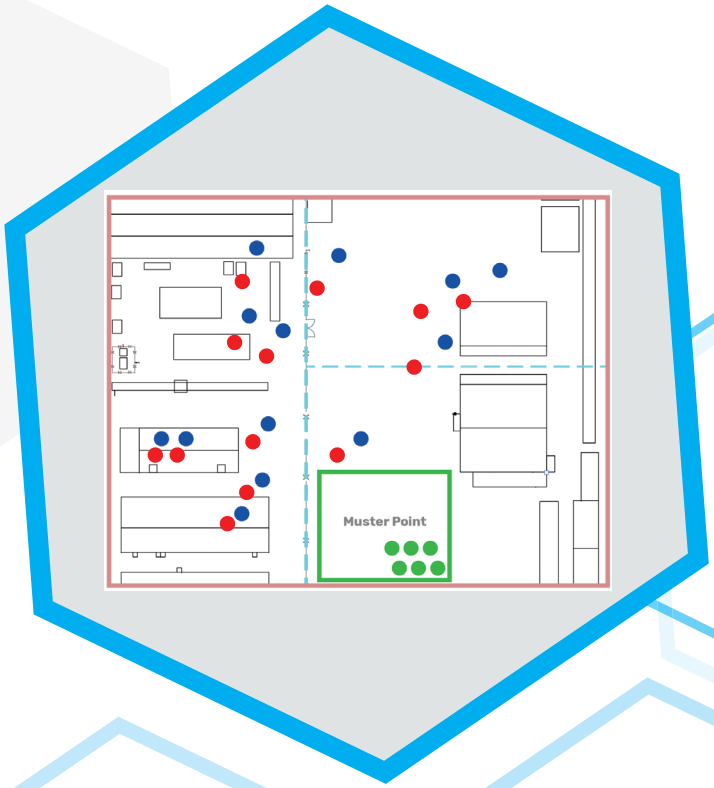
Geofencing – Only the right people at the right place

Several incidents have been caused by unauthorized people entering high risk areas without the required permits and proper training. This can be prevented with Geo-fencing. When a worker without authorization tries to enter a restricted area, the breach is immediately flagged to the team monitoring the site. The worker also gets an alarm on his tag indicating that he is not allowed to enter the area. This efficiently ensures that unauthorized people stay out of potentially hazardous situations.

Quick and efficient mustering

In an emergency, every second counts. With RTLS solutions, all personnel can be tracked to within three meters in real time and rescued quickly if the situation requires it. Emergency drills that require mustering also become more efficient with RTLS technology leading to less downtime onsite.



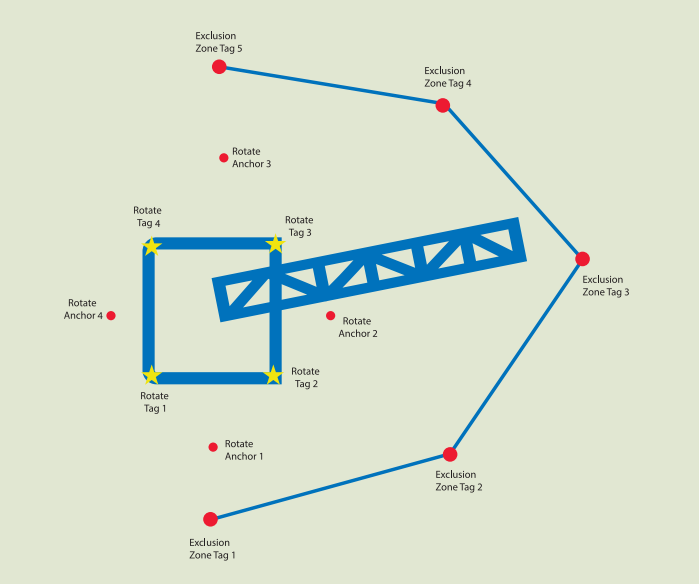


Keep workers safe from cranes, forklifts and long trucks on the worksite

VPASS- Crane

During crane lifts, several areas around the crane are considered restricted areas. The area under the load can become active and move depending upon the orientation of the crane and its present operation during a lift. To warn workers, a dynamic zone is created under the load that follows the load as it moves.

Workers are provided with tags. When a worker enters a crane zone he is not authorized to be in, the tag will vibrate to let the wearer know. When the crane lift operation has been completed, zones are deactivated as required. Zon transgressions can be monitored and reported to assist companies with crane protocol safety initiatives.



VPASS- Forklift

In environments where workers and forklifts are present, they are not always focused on awareness of the other. This is when most forklift fatalities occur. VPASS – Forklift can be enabled to provide workers and the forklift operators with a warning when they are close to each other. The forklift operation can also be altered to slow down or stop when a worker is nearby or when it enters a designated zone. The alert distance is configurable and can be altered in real time based on the location of the vehicle in the worksite.

VPASS- Long truck

Backing up tractors pulling long flat decks is often difficult and dangerous. Even with a spotter, the possibility of crushing workers in the blind spot of the driver with the flat deck is a real concern.

VPASS Long Truck consists of three components:

- VPASS worker Tag – A TeQshield Tracker active tag worn by all workers
- Sensor Module – this module is magnetically mounted to the back of the flat deck
- Control Module – this module sits on the dash of the tractor

When a worker steps within a given range of the back of the truck, the Sensor module detects the worker and transmits this information to the control module in the truck. The control module alerts the driver of the worker in close proximity to the rear of the flat deck allowing the driver to act accordingly.

Safety and Productivity. Delivered.

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