Solutions for Warehouses, Ports, and Logistic terminals

Collision Awareness and Staff/Equipment Monitoring System

RealTrac

RealTrac solutions for Logistics facilities.

Collision prevention and Personnel/equipment monitoring systems allow you to:

1. Reduced risk/quantity of accidents

2. Higher efficiency of operations through a monitoring system

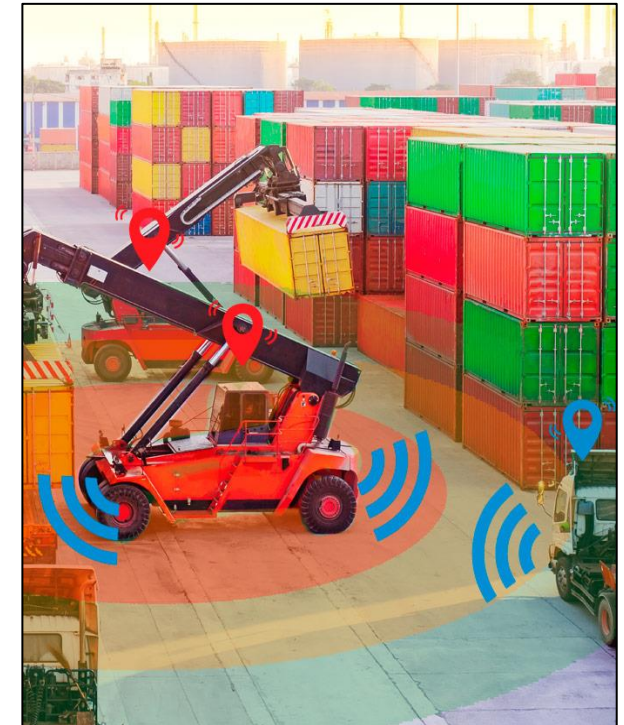3. Minimal false alerts of CAS (thanks to precise technology)

Collision awareness equipment for vehicle

Tag for personnel (1 tag for both CAS and monitoring system)
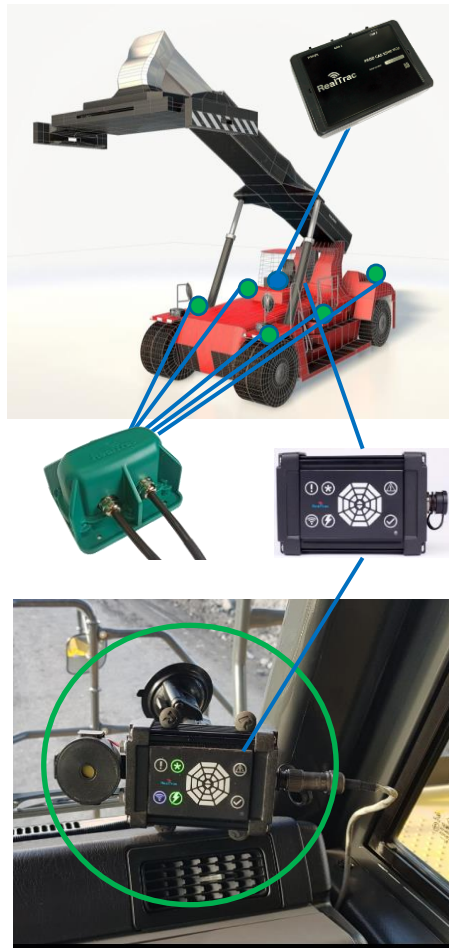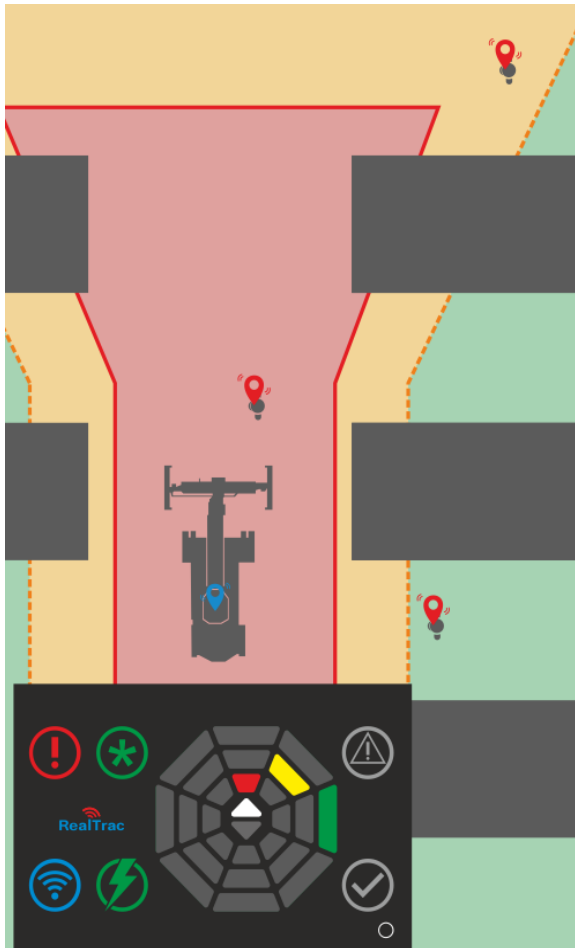
Staff/equipment monitoring system

CAS and monitoring with just one Tag

Features of our Collision Awareness System

To prevent vehicles from colliding with people and collisions between vehicles, RealTrac uses an innovative combination of two radio technologies - UWB for near detection and UHF for early detection:

1. Minimum number of false positives thanks to:
   - Precise positioning of objects around the car
   - Possibilities of flexible adjustment of detection zones both in size and shape (allows taking into account the peculiarities of the vehicle, the direction of its movement)

2. Full system autonomy:
   - Does not depend on the stability of power supply, satellite communication
   - It is especially important at remote sites, in deep quarries, etc.

3. Works equally well in open areas and indoors on the same equipment
   - It allows using the system not only in open pits, but also in maintenance service areas, in the premises, etc.

4. Object detection both at close and far distances:
   - Through the use of technologies with different radio frequencies, the system not only accurately determines the direction and distance to nearby objects, but also sees objects at a distance of up to 200 meters
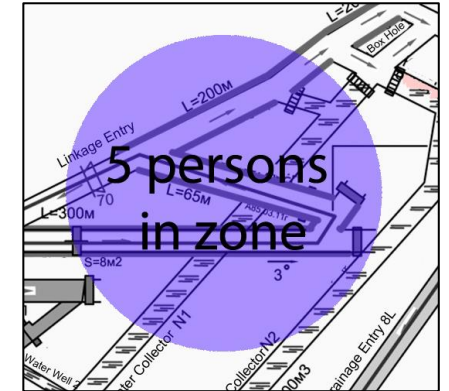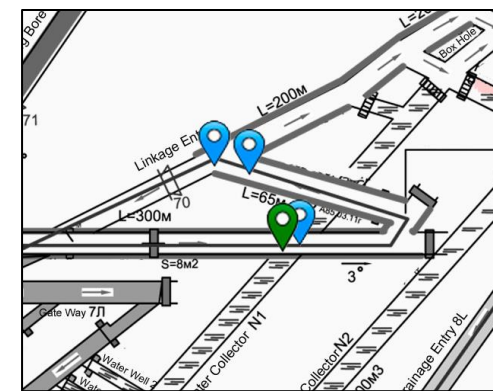   - Objects are detected both in the line of sight and around the

Features of Staff/Vehicles Monitoring System.

1. <u>Mix of zonal and precise positioning with one tag:</u>
   - ➢ zone positioning - 30-50m accuracy
   - ➢ precise positioning – accuracy better than 1m

2. <u>Mix of inside of building and open site monitoring:</u>
   - ➢ With our system you can keep on monitoring your staff and equipment even when they move from open site to indoor thanks to the mix of different radio technologies inside one tag

3. <u>Simple integration with actual management systems through API:</u>
   - ➢ analytical reports (time spent in different zones, equipment tracking & utilization, etc.)
   - ➢ alerts to control room (danger zone violation, etc.)
   - ➢ tracking personnel and vehicles on site map in real-time, or on-demand

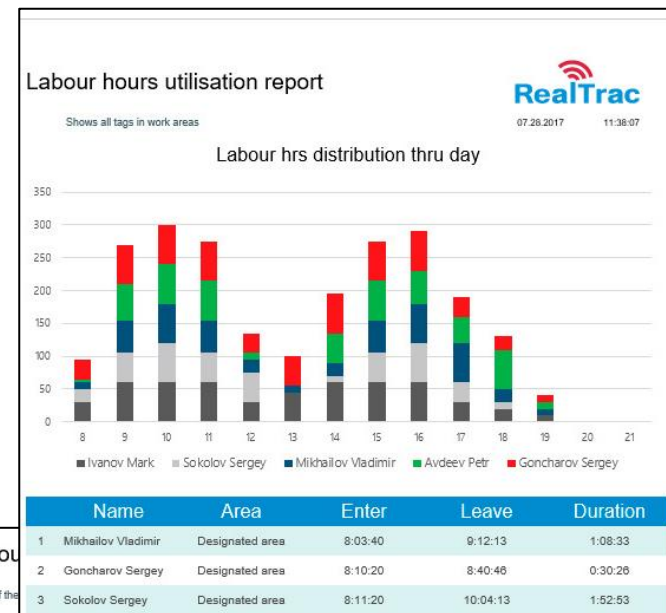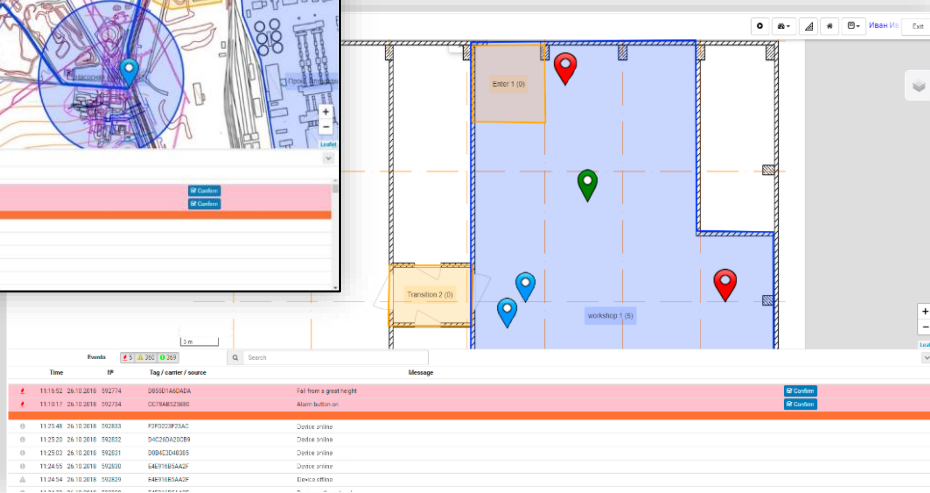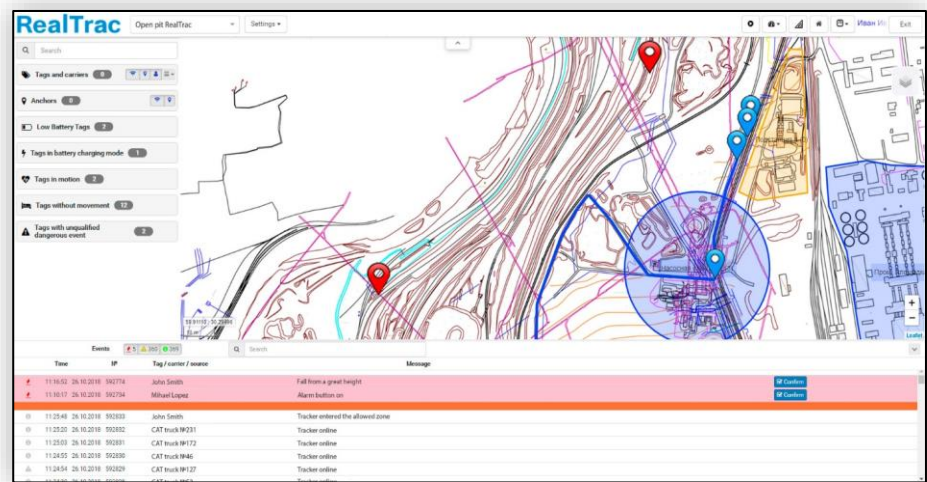Open site and indoor mixed positioning.

5 persons in zone

Zonal and precise positioning mix.

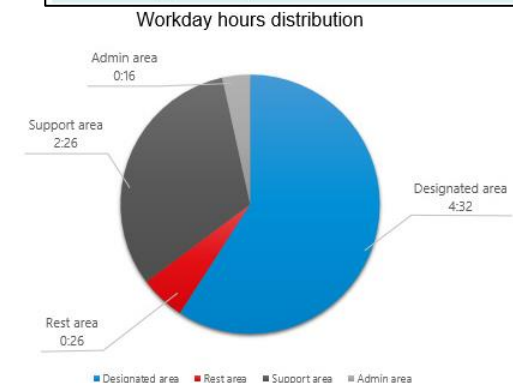# Personnel/Equipment monitoring: convenient maps and reports

➢ Customer maps can be loaded into RealTrac software, after which the vehicle and personnel will be displayed on the map in real time

➢ RealTrac software allows you to generate reports on the penetration of objects into the delineated areas both in open areas and in rooms with time, duration

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