



REALTRAC – REAL-TIME POSITIONING SYSTEM FOR INDOOR AREAS AND MINES

Are you looking for personnel and vehicle security and safety?
Are you looking for labor efficiency increasing?

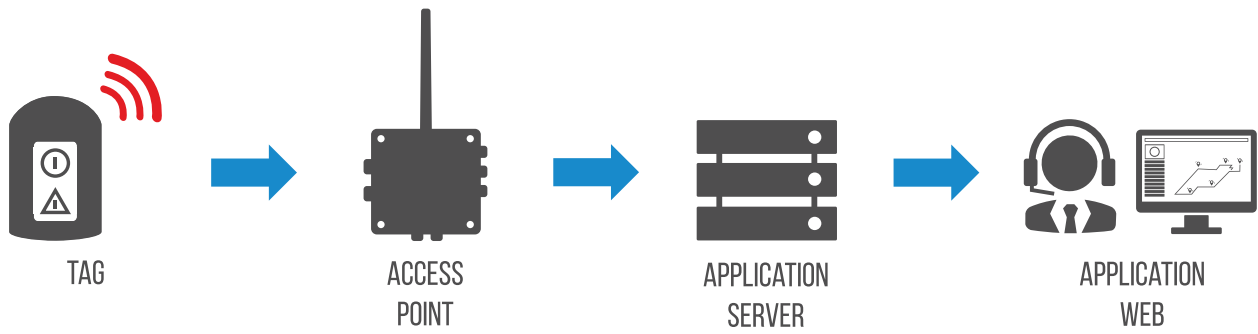
Object positioning system provides safety level increasing, automated timekeeping and access level control, optimization of business processes for mining industries.

FEATURES:

- proprietary technology,
- object positioning within the premises and under the ground with
- the use of a single device only,
- positioning accuracy up to 1 meter,
- automated timekeeping,
- access level control and issuing notifications,
- panic button warning a system manager about an accident,
- connection to gas-, temperature and other sensors and data transmission from/to them,
- automated man-down control system,
- proximity detection and collision avoidance system,
- integration with any through API,
- single positioning and data transmission infrastructure.

You can always monitor the location of the personnel, the time a worker spends in a specific area. With the help of notifications and reports, the system manager can monitor and detect:

- current status and location of each worker,
- access level violation,
- switching panic button and the location of a worker in an emergency situation,
- data on the working environment (temperature, gas contamination, etc.),
- remote equipment control (ventilation, conveyor systems. etc.) in real time,
- telemetry transmission from the drilling equipment in real time,
- unauthorized use and downtime of the equipment,
- vehicle, equipment and cargo theft,
- evacuation control in case of landslide, fire, gas emission or other emergency.



The RealTrac Positioning can be implemented on:

- a worker (both as a portable device and as a tag embedded into a lamp or other portable device),
- a vehicle,
- industrial and mining equipment,
- cars, carts, carriages,
- containers, pallets.



It helps to optimize current business-processes of the company, to increase the speed and the quality of business operations.

BENEFITS

- increasing safety and security level for mining works,
- general labor discipline improvement,
- optimization of equipment operation,
- area security control and detection of border violations,
- minimization of labor injuries at the entrance or in closed or hazardous areas,
- increasing labor efficiency of personnel and vehicles,
- emergency control and avoidance.

DATASHEET

TECHNOLOGY	Patented RealTrac algorithms, UWB, GPS/GLONASS, Wi-Fi, RFID, Bluetooth
INTERFACES	RS-485, USB, mini-USB, Ethernet
POWER	12VDC, POE, accumulator, battery
INTEGRATION	API integration with SAP, ERP, CRM, automated control systems, distributed control systems, telephony systems, video surveillance etc.
PROTECTION	Industrial, IP53, IP67, Exia

