



SmartPTT Indoor Location

SmartPTT Indoor positioning allows dispatchers to monitor the position of employees indoors, easily switch between floors for multi-level buildings, and control routes and geo-fencing zones inside buildings even when there is no GPS coverage.

FUNCTIONALITY

- Real-time indoor tracking system for MOTOTRBO subscribers
- Animation of the route of a subscriber
- Geofencing with Rules and Alerts
- Change easily from one floor to another, in the case of multi-level buildings
- On-route/off-route control
- Show subscriber movements on 2D
- Integrates with iBeacons (e.g. Estimote)

Benefits

Employee Safety

In case of an emergency situation, you'll know the location of your staff. This helps minimize response times that could be lifesaving.

Employee Accountability

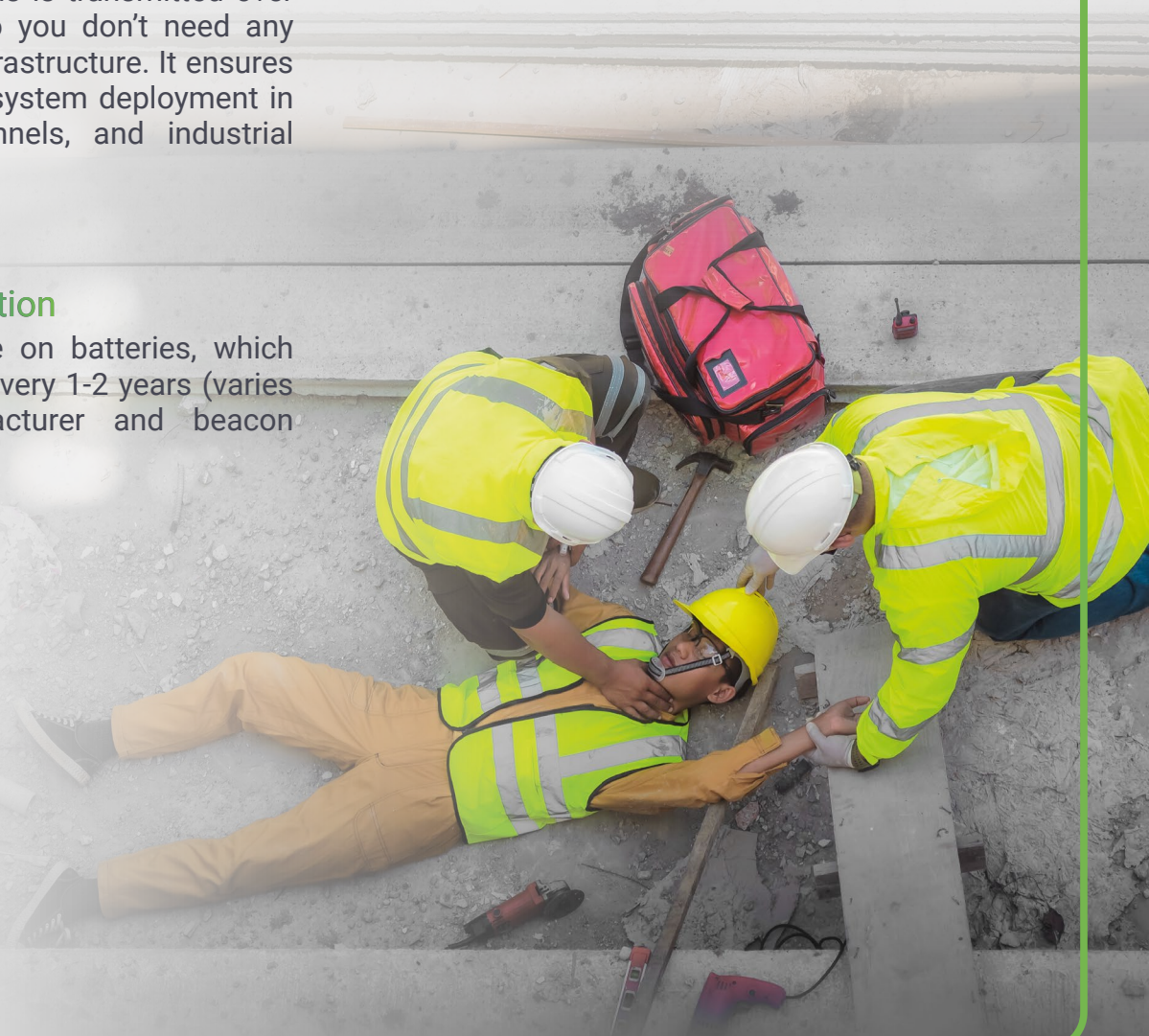
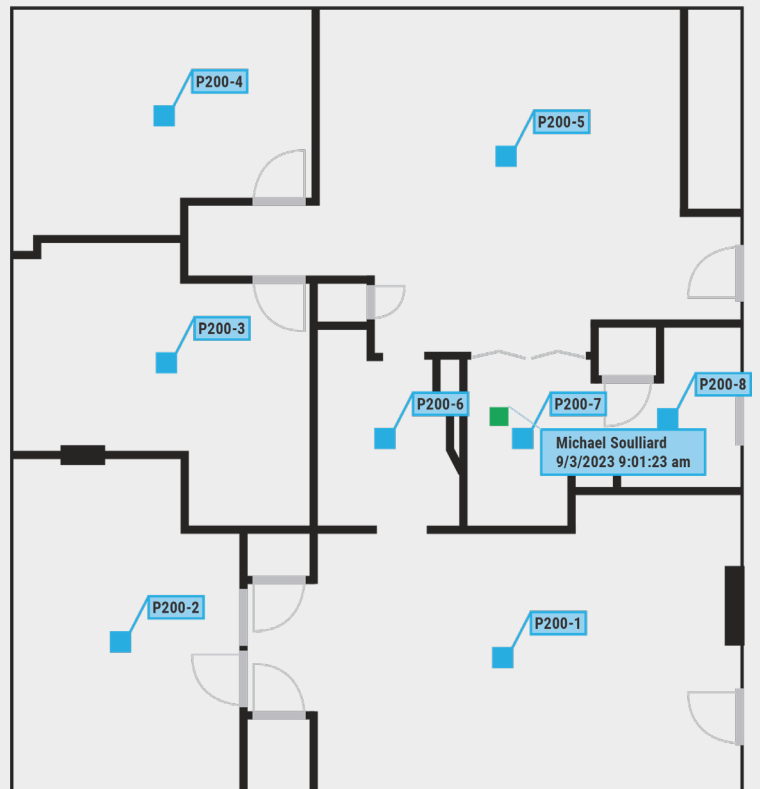
With the advanced system of rules and alerts, you can set guard patrol routes for buildings and premises, and the dispatcher can be informed about any deviations from the route.

Easy Deployment

Data from the beacons is transmitted over the radio channel, so you don't need any advanced network infrastructure. It ensures simple and low-cost system deployment in buildings, mines, tunnels, and industrial structures.

Independent operation

The beacons operate on batteries, which require replacement every 1-2 years (varies per beacon manufacturer and beacon settings).

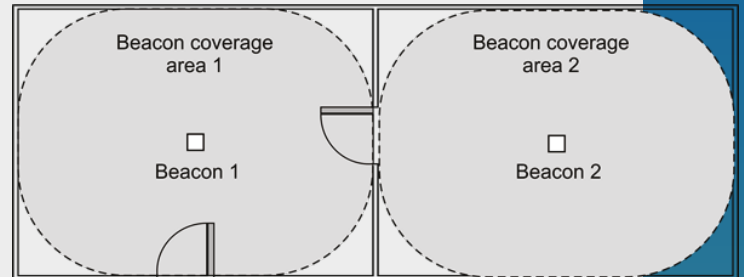


Indoor positioning cases

Position monitoring

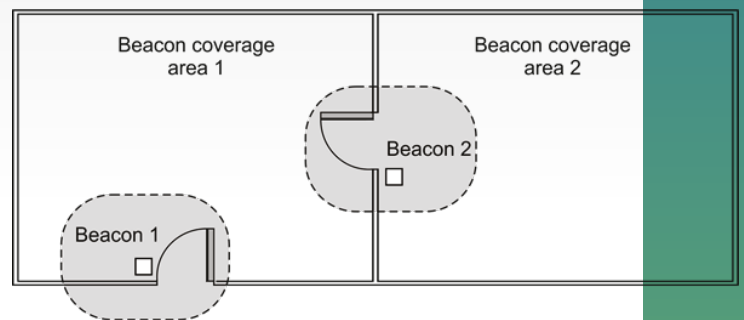
Each beacon is installed in the center of a room and completely covers it. For large rooms and halls, multiple beacons are installed in the way that their coverage areas are not overlapping. For this, beacon power is adjusted and their placement is determined with respect to that purpose.

When people enter the room, their radios detect signals from the beacon. They retransmit those signals to SmartPTT so operators receive information of subscriber presence and their movement in real-time. With rules and alerts configured, operators may receive additional notifications on subscriber entering/leaving the area, absence of motion, and emergency.



Key point monitoring

Instead of covering an entire facility just key points of interest can be monitored. For example, if there is a hazardous work area, when a radio registers as being in this hazardous area, SmartPTT can automatically notify the radio user via text that they should leave immediately or follow safety protocols. Additionally, the dispatcher can be notified, so the dispatcher can check in periodically with the radio user.



Requirements

- Enhanced MOTOTRBO portable radios with built-in Bluetooth receivers and Indoor Location licenses.
- Off-the-shelf Bluetooth iBeacons (i.e. Estimote Proximity Beacons).
- Indoor Positioning option enabled in the SmartPTT license key.



2009

Year SmartPTT was 1st released

90

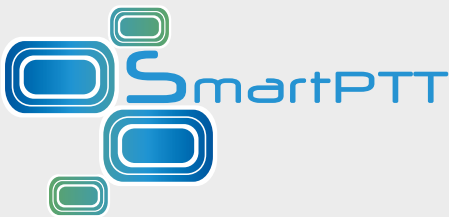
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