



Locating People Indoors with Bluetooth

ZONITH Bluetooth Indoor Positioning Module

Through carefully placed ZONITH Bluetooth Positioning Beacons, it is possible to track and position any registered Bluetooth device (like mobile phones, Bluetooth-enabled digital radios, tags etc.) inside buildings. This can make your work place much safer for lone workers and much more efficient through knowing where people are at all times.

Locating People when GPS Can Not

As GPS has limited effect inside buildings the ZONITH Indoor Positioning Module is a long wanted solution to a wide array of challenges. It can be used for enhancing the safety of employees, ground personnel managing and security purposes. This kind of functionality is much sought for in commercial areas like shopping malls, prisons, off-shore installations, power plants and other large facilities where size makes location an issue.

A Flexible Multipurpose Solution

This system can be used for many different purposes. It is used for lone worker protection, other high risk working environments like jails and tracking of people and assets.

Combined with lone worker alarming, you can find hurt lone workers quickly.



Each Bluetooth beacon covers a specific area. The accuracy of the system is adjusted through the number of beacons used.



Functionality

The positioning is carried out by a number of strategically mounted Bluetooth beacons that can 'see' any Bluetooth device within its coverage area. If the device is registered in the ZONITH Indoor Positioning Module the location is continuously monitored.

The positioning is based on enhanced cell-ID technology where the position of a Bluetooth device is determined by the beacons. Each Bluetooth receiver can be adjusted to cover a specific room or a geographical area.

A ZONITH Alarm Control System Module

While the ZONITH Indoor Positioning Module continuously monitors the position of Bluetooth devices the ZONITH Alarm Control System automatically ensures appropriate action in case a problem arises. It can automatically notify qualified personnel through text messages with the precise location and alarm information.

This way the Indoor Positioning Module is integrated in Zonith's automatic alarm dispatch solution ZONITH Alarm Control System.

Diverse Possibilities

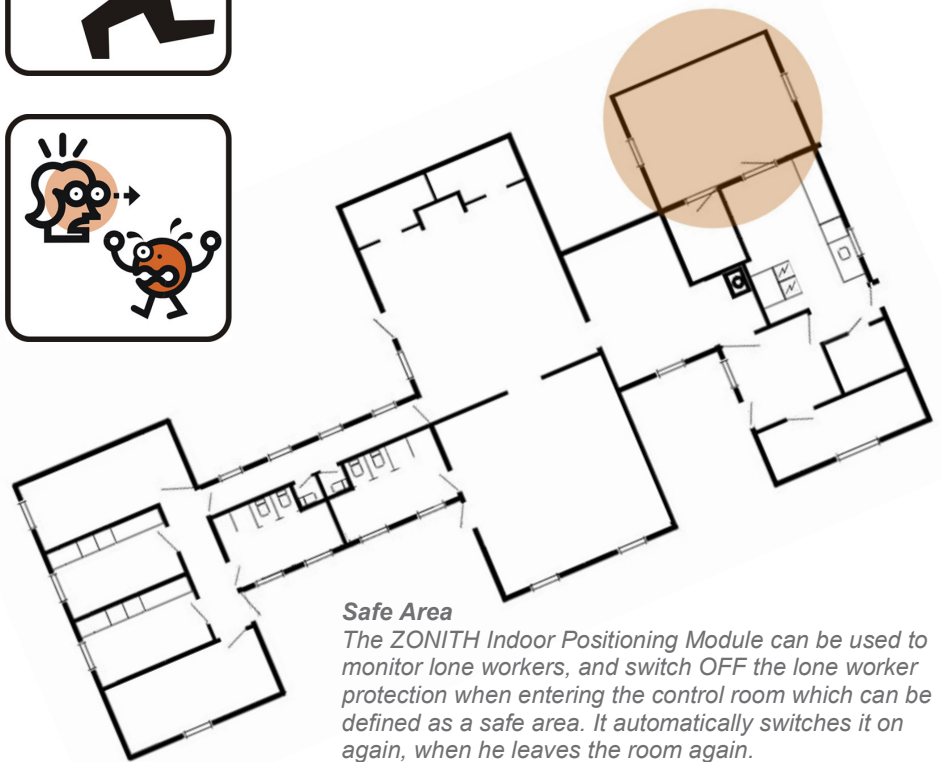
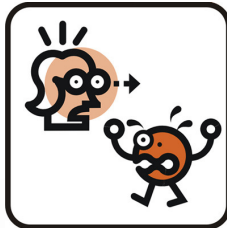
When **Lone workers** lose consciousness and do not respond inside a pre-set time interval the Indoor Positioning Module can automatically notify the rescue team of the exact position of the endangered employee.



Security personnel can be located quickly if attacked or calling for back-up. Instead of having to convey the position by voice, personnel can simply press a button and colleagues will know the exact position.



Personnel with a high risk of getting attacked on the job can press their panic button. Information with the exact location of the attack will then be sent directly to the security personnel.



Safe Area

The ZONITH Indoor Positioning Module can be used to monitor lone workers, and switch OFF the lone worker protection when entering the control room which can be defined as a safe area. It automatically switches it on again, when he leaves the room again.

A Safer Workplace

In the above mentioned situations and many more a quick and precise localization of an employee can mean the difference between life and death. Less drastically it can mean a much more effective working environment.

Key Features

- ▶ Locates People Indoors via Bluetooth
- ▶ Many Lone Worker Protection Features
- ▶ Automatically Transmits Location Information to Relevant Personnel by Digital radio (TETRA or MotoTrbo) or Pager
- ▶ Gives You a Complete General View of Your Staff Resources