

MERLIN360 TECHNOLOGY

The Merlin360 technology enables an organisation to protect and monitor both its people and assets in real time, and achieve efficient operations.



Improving efficiency with advanced monitoring of security, people and assets.



The unique Merlin360 personnel and asset tracking system provides a cost effective method of automatically tracking the movements and location of all personnel and high value portable assets without the need for swipe cards. The system can be used with a SMART access function that enables access rights to be granted throughout the building. ID badges automatically broadcast unique ultrasonic identification signals to detectors located in the ceiling, which record all staff/asset movements 24/7, 365 days a year. If a person enters an area without the required authorization, security will be alerted and directed to their precise location.

The system can be automatically configured for different periods, for example to exclude or allow personnel access to specific areas at certain times of day. All movements are monitored and controlled through the control center software application, and can be linked to legacy security applications.

The badge's 40 KHz ultrasonic signal is outside the audible frequency range of humans and is similar to the sonar system used by bats. The system can detect even the slightest movement of a person or item of equipment.

>Accurate Identification

The system can accurately pinpoint staff and assets to within a defined room or area, and the omni-directional ultrasonic detectors mean that no line of sight is required. The ultrasonic signal is impervious to interference, is unaffected by metal or water, and the signal is reflected by walls and floors, providing for accurate and reliable identification in most environments.

The system can be programmed to allow badge holders to operate within specific access parameters, and alert security if someone or something wanders outside their authorized area.

>Alerts

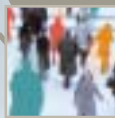
Access rules and parameters can be programmed into the Merlin360 software application to permit or deny access to specific rooms or areas. The badges include a specific application that reports immediately to the control center when an item or person moves unexpectedly.

The rules and access parameters programmed into the server determine whether the alert is brought to the attention of an operator via console, pager or SMS alert. The tags can transmit a variety of messages, each of which is determined by the configuration of the system according to operational requirements.

Under normal operating conditions the badge/tag batteries last between one and three years.

>Integrated Security

The Merlin360 technology can also be integrated with other security systems within the building. The SMART access function enables the system to work alongside security procedures and control access rights throughout the building, for example controlling door locking systems and enhancing CCTV and alarm systems. This makes the Merlin360 technology an integrated security service, providing safety and security for everyone.



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