VIZBEE
R F I D   S O L U T I O N S

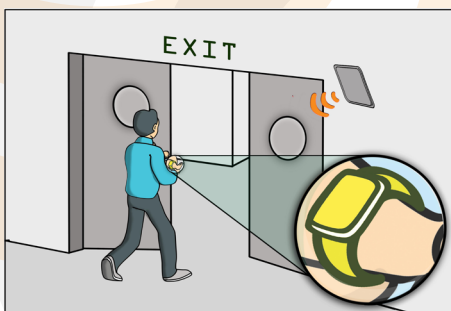# VIZBEE PROTECT™ for Infant Protection and Wander Management

Concerns about infant abductions, mother/baby mix-ups, and wandering patients have been a common fear among hospital administrators for some time. These concerns fostered an interest in electronic tracking of infants and pediatric patients, and patients whose medical condition makes them prone to wander. Ensuring that newborn patients are well cared for means doing more than just providing excellent medical services. The quality of the protection system in place has become a primordial criteria in the selection of the maternities, hospitals and old age homes.

Until now, RFID technology required significant software-specific developments and deployment, at prohibitive costs for healthcare organizations. These bespoke solutions were also hard to maintain over the years as the entire maintenance costs were borne by each single customer; consequently these projects tended to become rapidly obsolete.

Vizbee Protect™ closes this major gap. It includes built-in parameter-based rule engine enables to seamlessly implement RFID projects in days only, without any risky specific developments.

Infant protection from abductions

Constantly monitoring large numbers of children on a pediatric ward can be a challenging task, taking into account limited staff numbers and building constraints.

Wristband with RFID active tags are attached in seconds to newborns arms or legs. Those wristbands are light and disposable in order to avoid biohazards.
The wristbands are tamperproof. Any attempt to remove or cut the wristband other than by an authorized person automatically triggers an alarm.

Any change in the location of the baby is detected in real time. If the baby is not accompanied by an authorized person (wearing a suitable tag), like the mother, father, nurses or doctors, the system automatically triggers an alarm.

Exiting the ward automatically triggers an alarm if such exit hasn't been authorized in the system prior to the exit. Such authorization can be for a limited duration, in which case an alert will be automatically raised if the system doesn't detect the baby's tag in the ward after said period.

Preventing babies' mix-up

Mother can wear tags as well. The system seamlessly records the pairing between the mother and her baby. Any erroneous mix-up is instantly detected.

Additional protection using smart phones

Enrollment of a baby and his mother using an Android based smart phone, allows capturing all relevant data including pictures that are automatically transferred to the central system. Reading the babies tag can automatically prompt an image of his mother, and vice-versa.

Wandering patients

As part of their quality of life, hospitals and old age homes are trying to allow as much as possible free movements to patients suffering from dementia and Alzheimer.

This important comfort for the patients is only possible if:

- The system raises an alarm in real-time if the patient goes beyond his authorized perimeter.

- The system can at anytime locate a patient that got lost in the authorized area.

- Patients wear wristband, necklace or other form factors with active tags.

Defining perimeters

Vizbee Protect™ enables to define any number of perimeters simply by drawing polygons on the site maps and assigning the reader covering the enclosed area.

Assigning patients to groups

Each patient is assigned to a group according to the hours and perimeter wandering that are authorized to him.

Searching a person

The search function allows to instantly display on a map the location of a wandering patient lost in the hospital.

The Vizbee Protect™ system provides piece of mind to the staff, the mothers, the families of newborns and dementia patients, improving their freedom and quality of life without incurring risks.

The Vizbee Protect module is an integral Part of the Vizbee Healthcare platform. Other healthcare modules:

- Asset and person tracking

- Hand washing monitoring

- Tracking of small surgery tools

- Inventory and warehouse management

- Maintenance management

- Workflow

- Guard tours

- And more..

About Vizbee

The Vizbee Platforms has introduced new paradigms to the RFID industry with its packaged applications. With a parameter-driven approach, and support for all of today's leading RFID hardware technologies, Vizbee's open architecture evolutionary and scalable platform is the solution of choice for leading integrators for a wide range of applications and industries. Founded by seasoned professionals in IT deployment, user interface design and global business development, Vizbee has strong alliances with leading RFID tag manufacturers, system integrators, chipset designers and distributors.

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