

Location intelligence. 219 ways to put it to work.

Estimote use-case catalog

Explore applications for Bluetooth, ultra-wideband and real-time location systems. These concepts come from the existing Estimote use-case library. Talk to our team to discuss the hardware and configuration for your project.

001 Smart office automation

Employees are greeted by a personalized message as they enter a meeting room, thanks to beacons detecting their presence. The system can also prepare the room for their meeting, such as setting up a video call.

Corporate, Technology | BLE, RTLS

002 Office space management

Employees with a mobile app can reserve and locate available meeting rooms. The app uses wireless beacons to guide them to the room and confirm their presence.

Real Estate, Corporate | BLE, RTLS

003 Train station navigation

Travelers with a mobile app can navigate train stations more efficiently. The app uses wireless beacons to guide passengers to their correct platform and train, enhancing the travel experience.

Transportation, Travel | BLE, UWB

004 Contactless payments

Passengers with a dedicated mobile app are automatically checked in as they board the vehicle and automatically charged when they leave it. Fees are computed automatically based on distance and/or time. It can work both in the foreground or background and provide a future-of-travel experience.

Transportation | BLE, UWB, DL-TDOA

005 Safety alerts

Passengers receive real-time alerts on their mobile devices when they are too close to the edge of the platform. The system uses precise location data to trigger warnings and prevent accidents.

Transportation, Public Safety | BLE, UWB, DL-TDOA

006 Hospital navigation

Patients and visitors can navigate hospital corridors using a mobile app that interacts with beacons installed throughout the facility. The app provides real-time directions and information about various departments and services.

Healthcare | BLE, RTLS

007 Inventory management

Warehouse staff use a mobile app to track inventory in real-time. The app provides location data and analytics, helping to optimize stock levels and reduce manual errors.

Warehouses, Retail | BLE, RTLS, SDK

008 Indoor navigation

Employees use a mobile app to navigate through office spaces, finding rooms and colleagues easily. The app leverages wireless beacons for precise location tracking.

Corporate, Real Estate | BLE, UWB, RTLS

009 Fleet management and asset tracking

Managers can monitor the real-time location and status of vehicles and equipment using a mobile app. This system helps optimize operations and maintenance schedules.

Transportation, Logistics | BLE, UWB, RTLS

010 Drive-thru ordering

Drivers can order food directly from their car using a mobile app that communicates with beacons at the drive-thru. The app can display the menu and process the order automatically as the car approaches.

Retail, Food Service | BLE, UWB

011 Inventory management

Workers use a mobile app to track tagged assets in real time. The app displays the location of items on a digital map, improving efficiency in large warehouses.

Warehouses, Logistics | BLE, RTLS

012 Inventory management

Warehouse staff use a mobile app to track the location of assets in real-time. The app communicates with beacons attached to items and displays their positions on a digital map for efficient management.

Warehouses, Logistics | BLE, RTLS

013 In-vehicle navigation

Passengers with a dedicated mobile app can be guided directly to their seat. Their phone is fully aware of their in-vehicle location because of wireless beacons installed inside the vehicle. The mobile app can provide additional in-seat services such as food delivery or assistance.

Transportation, Travel | BLE, UWB, DL-TDOA

014 Emergency response

Passengers can trigger emergency alerts using their mobile app, which pinpoints their exact location within the vehicle. This allows for rapid response and assistance from onboard staff.

Transportation, Public Safety | BLE, UWB, DL-TDOA

015 Worker safety and tracking

Workers in hazardous environments are equipped with wearable devices that monitor their location and safety status. The system uses wireless technology to ensure real-time tracking and alerts for any potential risks.

Construction, Mining | BLE, UWB, RTLS

016 Airport cargo management

Cargo containers are tracked in real-time as they are loaded onto aircraft. This ensures accurate inventory management and timely delivery of goods. The system uses wireless technology to monitor the location and status of each container.

Transportation, Logistics | BLE, UWB, RTLS

017 Smart parking access

Vehicles equipped with wireless technology can communicate with parking systems to enable seamless entry and exit. The system can also manage parking availability and guide drivers to open spots.

Parking, Transportation | BLE, UWB, RTLS

018 Train station navigation

Travelers with a dedicated mobile app can navigate train stations more efficiently. The app uses wireless beacons to guide passengers to their correct platform and train, enhancing the travel experience.

Transportation, Travel | BLE, UWB

019 Personnel tracking

Police officers equipped with wireless tags can be tracked inside the station for safety and operational efficiency. The system ensures that all personnel are accounted for and can be located quickly in case of an emergency.

Public Safety, Law Enforcement | BLE, RTLS

020 Public transportation management

Passengers with a mobile app can receive real-time updates on bus schedules and availability. The app uses beacons installed on buses to provide accurate location data and enhance the user experience.

Transportation, Public Services | BLE, UWB, SDK

021 Pet tracking in veterinary clinics

Veterinary clinics can track pets within the facility using beacons and tags. This helps in managing pet flow, locating pets quickly, and enhancing patient care.

Veterinary, Healthcare | BLE, RTLS

022 Resort guest services

Guests can order food and drinks directly from their lounge chair using a mobile app. The app uses location technology to identify their exact position, allowing staff to deliver orders accurately.

Hospitality, Tourism | BLE, UWB, SDK

023 Stadium navigation

Attendees use a mobile app to navigate the stadium, find their seats, and locate amenities. The app leverages beacons for accurate indoor positioning.

Sports, Entertainment | BLE, RTLS

024 Asset tracking

Workers use a mobile app to locate and manage assets in real-time. The app connects to beacons placed around the facility to provide precise location data and streamline operations.

Warehouses, Logistics | BLE, UWB, RTLS

025 Safety zone monitoring

Workers receive real-time alerts on their mobile devices when they approach restricted or hazardous areas, ensuring compliance with safety protocols and reducing risk of accidents.

Manufacturing, Construction | BLE, UWB, RTLS

026 Museum visitor engagement

Visitors wearing smart glasses receive real-time information about the exhibits they are looking at. Beacons installed around the museum trigger content delivery based on the visitor's location.

Museums, Cultural venues | BLE, AR

027 Theme park navigation

Visitors wearing smart glasses can receive real-time guidance and interactive content as they move through the park. Beacons placed around the park trigger location-based experiences and information.

Entertainment, Tourism | BLE, UWB, RTLS

028 Smart parking

Drivers can locate their parked car using a mobile app that communicates with beacons installed in the parking garage. The app guides them directly to their vehicle, enhancing the parking experience.

Parking, Transportation | BLE, UWB, TDOA

029 Asset tracking

Retail staff can track the location of shopping carts and baskets using a mobile app. The app provides real-time updates on the position of assets within the store, improving operational efficiency.

Retail | BLE, RTLS

030 Warehouse asset tracking

Wireless beacons monitor the location of forklifts and other assets in real-time. This helps optimize logistics operations and prevent loss or misplacement of equipment.

Warehouses, Logistics | BLE, RTLS

031 Asset tracking

Delivery trailers equipped with wireless tags can be tracked in real-time, providing precise location data to a cloud-based system. This ensures efficient logistics and timely deliveries.

Logistics, Transportation | BLE, LTE, RTLS

032 Inventory management

Warehouse staff can track the location of assets in real time using beacons attached to shelves and carts. This data is synchronized with cloud systems for inventory updates.

Warehouses, Logistics | BLE, RTLS, SDK

033 Smart home automation

A person in a smart home environment uses a mobile app to control kitchen appliances. The app detects the user's proximity to the appliances using wireless beacons for enhanced user experience.

Consumer Electronics, Smart Home | BLE, UWB

034 Asset monitoring and alerts

Facility managers receive real-time alerts on their mobile devices when assets are moved or tampered with, ensuring inventory security and compliance. The system uses wireless technology to track and monitor assets within the facility.

Warehouses, Healthcare | BLE, RTLS

035 Elder care monitoring

A fall detection system alerts caregivers when an elderly person falls. The system uses wireless technology to monitor the person's location and movements within the home.

Healthcare, Elder Care | BLE, UWB, RTLS

036 Outdoor navigation

Users with wearable devices can be tracked and guided in outdoor environments using wireless technology. The system can provide real-time location updates and navigation assistance.

Tourism, Outdoor Recreation | BLE, UWB, LTE

037 Inventory management

Retailers can track the location and movement of inventory items in real-time using wireless tags. This data is sent to the cloud for analysis, enabling efficient stock management and reducing loss.

Retail, Logistics | BLE, UWB, RTLS

038 Hospital asset tracking

Medical equipment and staff can be tracked in real-time using wireless beacons and tags. This helps in optimizing resource allocation and improving patient care.

Healthcare | BLE, UWB, RTLS

039 Social distancing and contact tracing

People wearing Estimote Tags can maintain safe distances from each other. The system alerts users if they come too close, helping to prevent the spread of infectious diseases in public spaces.

Healthcare, Public Safety | BLE, RTLS

040 Child safety monitoring

Parents can track their child's location in real-time using a mobile app that connects to a wearable device on the child. The app provides alerts and a visual map of the child's movements within a designated safe zone.

Consumer, Safety | BLE, GPS, SDK

041 Child safety monitoring

Parents can monitor their children's location in real-time using a mobile app. The app alerts parents when a child moves outside a predefined safe zone, ensuring continuous safety.

Consumer, Family Safety | BLE, GPS, SDK

042 Child safety and tracking

Parents can monitor their child's location in real-time using a dedicated app. The child wears a small, unobtrusive tag that communicates with the parent's smartphone, ensuring safety in public spaces.

Consumer, Family Safety | BLE, RTLS

043 Smart parking

Drivers can locate their parked car using a mobile app that communicates with beacons installed in the parking garage. The app provides real-time navigation to the vehicle's exact location.

Parking, Transportation | BLE, UWB, TDOA

044 Restaurant customer engagement

Customers receive personalized offers and updates on their mobile devices as they enter the restaurant. The system uses beacons to detect their presence and engage them with relevant content.

Hospitality, Retail | BLE, RTLS

045 Office wayfinding

Employees use a mobile app to navigate the office space, finding their way to meeting rooms or colleagues. The app leverages indoor positioning technology to provide accurate directions.

Corporate, Real Estate | BLE, RTLS, SDK

046 In-vehicle navigation

Passengers can use their mobile app to navigate within the vehicle, locating their seat or finding their way out. The app leverages wireless beacons installed inside the vehicle for precise location tracking.

Transportation, Travel | BLE, UWB

047 Ride-hailing optimization

Passengers can easily locate their ride using a mobile app that leverages nearby beacons for precise vehicle identification. This reduces pickup time and enhances the overall user experience.

Transportation, Mobility | BLE, UWB, SDK

048 Employee tracking and safety

Employees wear tags that track their location within the warehouse, ensuring safety and efficient task management. The system can alert supervisors to potential hazards or unauthorized access.

Warehouses, Logistics | BLE, RTLS

049 Worker safety and tracking

Employees wear tags that continuously monitor their location and safety status. Supervisors can track workers in real-time and receive alerts for any potential hazards or unauthorized areas.

Manufacturing, Construction | BLE, RTLS, TDOA

050 Personal safety and emergency response

Users wear a panic button device that, when activated, sends an alert to a mobile app. The app can then trigger emergency protocols, providing the user's location and status to responders.

Healthcare, Security | BLE, LTE

051 Employee tracking and safety

Workers wear tags that communicate with beacons to monitor their location and ensure safety within the facility. The system can alert supervisors to potential hazards or unauthorized access.

Manufacturing, Warehouses | BLE, UWB, RTLS

052 Smart office space management

Employees use their mobile devices to interact with the office environment, adjusting desk heights and accessing resources. The system tracks desk usage and occupancy for better space planning.

Corporate, Real Estate | BLE, RTLS, SDK

053 Retail store information

Customers can scan a QR code or NFC tag outside a store to receive detailed information about the store's location, license, and other relevant details directly on their mobile device.

Retail, Consumer Goods | BLE, NFC, QR

054 Smart city traffic management

Wireless beacons installed along city streets provide real-time data on traffic flow and vehicle locations. This data can be used to optimize traffic light timing and reduce congestion.

Transportation, Smart Cities | BLE, UWB, RTLS

055 Patient monitoring

Healthcare providers can monitor patients' movements and activities within a facility using wireless tags. The system provides real-time location data and alerts for patient safety and efficient care.

Healthcare | BLE, RTLS

056 Patient and asset tracking

Hospitals can track the location of patients and medical assets in real time using wireless tags. This improves patient care and operational efficiency by ensuring assets are always available when needed.

Healthcare | BLE, UWB, RTLS

057 Inventory management

Workers use a mobile app to scan and track inventory items equipped with wireless tags. The system updates the inventory in real-time, improving accuracy and efficiency.

Logistics, Retail | BLE, NFC, RTLS

058 Employee safety monitoring

Employees wear tags that monitor their well-being and send alerts if they fall or require assistance. This system ensures quick response times in large facilities.

Warehouses, Logistics | BLE, UWB, RTLS

059 Inventory management

Warehouse staff can track the location and movement of goods in real-time using wireless tags on pallets. This system ensures accurate inventory levels and efficient order fulfillment.

Warehouses, Logistics | BLE, RTLS

060 Worker safety and proximity detection

Workers wear tags that communicate with each other to detect proximity and prevent accidents. The system alerts workers when they come too close to each other or to hazardous machinery.

Manufacturing, Warehouses | UWB, RTLS

061 Retail inventory management

Store staff use a mobile app to locate and manage inventory in real-time. The app provides precise location data for each item, streamlining the restocking process and improving customer service.

Retail, Furniture | BLE, RTLS, SDK

062 Retail customer engagement

Customers and staff wear tags that enable proximity-based interactions. Staff can receive alerts when a customer needs assistance, enhancing the shopping experience.

Retail | BLE, RTLS

063 Child safety and tracking

Children wear tags that allow camp staff to monitor their location within the camp grounds. This ensures safety and helps locate children quickly if needed.

Recreation, Education | BLE, RTLS

064 Retail analytics

Retailers can track customer movement and dwell time in specific areas of the store using beacons and a mobile app. This data helps optimize store layout and product placement.

Retail | BLE, RTLS

065 Asset tracking

Workers use a mobile app to locate tagged assets within a facility. The app displays the real-time location of assets on a digital map, improving inventory management and operational efficiency.

Warehouses, Manufacturing | BLE, UWB, RTLS

066 Asset maintenance tracking

Maintenance staff can easily track and log cleaning activities using beacons attached to assets. The system records when and where cleaning occurs, ensuring compliance and efficiency.

Facilities Management, Healthcare | BLE, RTLS

067 Smart car access

Users can unlock their car doors using a mobile app that communicates with a beacon installed on the vehicle. This contactless method enhances security and convenience for car owners.

Automotive, Transportation | BLE, UWB

068 Patient and asset tracking

Hospitals can track the location of patients and medical equipment in real time using wireless tags. This improves patient care and operational efficiency by ensuring assets are always available when needed.

Healthcare | BLE, RTLS

069 Patient monitoring and asset tracking

Medical staff can monitor patient status and track hospital assets in real-time using a mobile app. The system uses wireless beacons installed throughout the facility to provide precise location data.

Healthcare | BLE, UWB, RTLS

070 Indoor navigation

Users with a mobile app can navigate through complex indoor environments like hospitals or airports. Beacons installed along the path communicate with the app to guide users to their destination.

Healthcare, Transportation | BLE, RTLS

071 Retail customer engagement

Customers receive personalized product information on a digital display when they interact with items in the store. Beacons detect the customer's proximity and trigger relevant content.

Retail | BLE, RTLS

072 Asset tracking in healthcare

Hospitals can track the location of medical equipment such as IV poles using wireless tags. This helps in quickly locating assets and improving operational efficiency.

Healthcare | BLE, RTLS

073 Asset tracking

Lost keys can be quickly located using a mobile app that connects to beacons installed throughout the office. Employees can easily find misplaced items, saving time and increasing productivity.

Office, Retail | BLE, RTLS

074 Vehicle and asset tracking

Wireless beacons and tags installed in vehicles and assets allow for real-time tracking and management within a facility. This system can enhance operational efficiency by providing precise location data.

Warehouses, Logistics | BLE, UWB, RTLS

075 Inventory management

Workers use a mobile app to track inventory in real-time. Beacons attached to products communicate with the app, providing precise location data and streamlining warehouse operations.

Warehouses, Logistics | BLE, RTLS

076 Retail customer engagement

Customers receive personalized offers and loyalty points directly on their mobile app as they interact with staff at the counter. The system uses wireless technology to trigger actions based on customer presence.

Retail, Hospitality | BLE, NFC

077 Asset tracking in manufacturing

Employees use a mobile app to locate and manage assets in real-time. The system relies on beacons installed throughout the facility to track the location of tagged equipment.

Manufacturing, Logistics | BLE, RTLS

078 Asset tracking in laboratories

Scientists can track the location of equipment and materials in real-time using wireless beacons. This improves efficiency and ensures that resources are always available when needed.

General | BLE, RTLS

079 Assisted living and care

Caregivers can monitor the location and well-being of residents in real-time using wireless technology. Alerts can be sent if a resident moves into a restricted area or remains stationary for too long.

Healthcare, Senior Care | BLE, UWB, RTLS

080 Luggage tracking

Luggage equipped with wireless tags can be tracked throughout the airport, ensuring efficient handling and reducing the risk of lost bags. The system can provide real-time updates to passengers and staff.

Transportation, Travel | BLE, UWB, RTLS

081 Assisted navigation for mobility-impaired travelers

Travelers with mobility impairments can navigate airports more easily with the help of beacons that guide them to baggage claim and other services. The system can also alert staff to assist when needed.

Transportation, Travel | BLE, RTLS

082 Museum audio guides

Visitors can use their smartphones to receive audio commentary about exhibits as they move through the museum. The system uses beacons to trigger content based on the visitor's location.

Museums, Tourism | BLE, RTLS

083 Athlete performance tracking

Coaches can monitor athletes' performance in real-time using a mobile app that receives data from beacons attached to the athletes. This allows for precise tracking of speed, distance, and other metrics during training sessions.

Sports, Fitness | BLE, RTLS

084 Airport parking assistance

Travelers with a dedicated mobile app can easily find their parked car in the airport lot thanks to wireless beacons installed throughout the parking area. The app provides real-time navigation and parking spot information.

Transportation, Travel | BLE, RTLS

085 Airport check-in optimization

Passengers with a dedicated mobile app can be guided to the nearest available check-in counter. The app can also display wait times and provide a seamless check-in experience.

Transportation, Travel | BLE, RTLS, SDK

086 Luggage tracking

Travelers can track their luggage in real-time using a mobile app. Each suitcase is equipped with a wireless tag that communicates its location to the app, ensuring baggage is never lost.

Travel, Transportation | BLE, UWB, RTLS

087 Baggage tracking

Passengers can track their luggage in real-time as it moves through the airport. Each bag is tagged with a wireless beacon that communicates its location to the airport's system, ensuring transparency and reducing loss.

Transportation, Travel | BLE, UWB, RTLS

088 Luggage tracking

Travelers can locate their luggage in crowded areas using a mobile app that connects to a tag on their suitcase. The app provides real-time distance and direction to the luggage.

Travel, Transportation | UWB, BLE

089 Self-service kiosk optimization

Customers with a mobile app can receive personalized offers and guidance at self-service kiosks. The kiosk recognizes the customer's presence and preferences, enhancing the user experience and increasing sales.

Retail, Hospitality | BLE, NFC, SDK

090 Patient assistance in healthcare facilities

Staff members can quickly locate and assist patients who need help, using real-time location tracking. This ensures timely support and enhances patient safety and experience.

Healthcare | BLE, RTLS

091 Luggage tracking

Airport staff can quickly locate and manage luggage using wireless tags attached to each piece. The system provides real-time tracking and alerts for misplaced items, improving efficiency and customer satisfaction.

Transportation, Travel | BLE, UWB, RTLS

092 Luggage tracking

Passengers receive real-time updates on their luggage location via a mobile app. Tags on the luggage communicate with beacons in the baggage claim area to inform passengers when their luggage is about to arrive.

Travel, Transportation | BLE, UWB, RTLS

093 School attendance tracking

Students equipped with a smart backpack tag are automatically checked in as they enter the school premises. The system updates attendance records in real-time, reducing administrative overhead.

Education | BLE, RTLS

094 Patient tracking in healthcare facilities

Patients in wheelchairs equipped with wireless tags can be tracked in real-time within healthcare facilities. This ensures their safety and allows for efficient assistance when needed.

Healthcare, Hospitals | BLE, RTLS

095 Airport asset tracking

Airport staff can track the location of luggage, equipment, and personnel in real-time using a mobile app. This improves operational efficiency and reduces delays.

Transportation, Travel | BLE, UWB, RTLS

096 Airport check-in optimization

Travelers with smart luggage can be guided to the nearest available check-in counter. The system uses wireless technology to detect luggage and streamline the check-in process, reducing wait times.

Travel, Transportation | BLE, UWB, RTLS

097 Baggage tracking

Passengers can track their luggage in real-time using a mobile app. Luggage equipped with Estimote Tags sends location data to the app, ensuring travelers are always informed about their baggage status.

Transportation, Travel | BLE, RTLS

098 Asset tracking in airports

Airport staff can track the location of luggage and assets in real-time using wireless tags. This improves operational efficiency and reduces delays.

Transportation, Travel | BLE, UWB, RTLS

099 Museum guide

Visitors can use their mobile app to receive detailed information about exhibits as they move through the museum. Beacons installed near each exhibit trigger relevant content on the visitor's phone.

Museums, Tourism | BLE, RTLS

100 Health monitoring in the workplace

Employees can monitor their health metrics in real-time using a mobile app connected to wearable devices. The app can also provide alerts and recommendations based on the data collected from the workplace environment.

Healthcare, Corporate Wellness | BLE, NFC, SDK

101 Retail customer engagement

Customers receive personalized product information and offers on their mobile devices as they browse the store. Beacons placed near products trigger relevant content in a dedicated app.

Retail, Consumer Goods | BLE, RTLS

102 Delivery tracking and optimization

Delivery drivers with a mobile app can track their location and package status in real-time. The system uses wireless signals to ensure accurate delivery confirmation and efficient route planning.

Logistics, Retail | BLE, UWB, RTLS

103 Parcel delivery and collection

Delivery drivers can use a mobile app to locate the correct locker and drop off packages. Customers receive notifications when their package is ready for collection.

Logistics, E-commerce | BLE, NFC, QR

104 Home delivery optimization

Delivery drivers equipped with Estimote Tags can be guided to the exact delivery location using beacons installed near the house. This ensures precise and efficient package delivery.

Logistics, E-commerce | BLE, UWB, RTLS

105 Perimeter security monitoring

Security personnel use a mobile app to monitor the perimeter of a facility. Beacons installed along the boundary help track the security guard's location and ensure complete coverage of the area.

Security, Logistics | BLE, RTLS

106 Train station management

Staff can monitor train positions and platform activity in real-time using wireless technology. This improves operational efficiency and passenger safety.

Transportation, Travel | BLE, UWB, RTLS

107 Aircraft maintenance and inspection

Maintenance crews use a mobile app to check aircraft systems and record inspection data. The app communicates with beacons installed on the aircraft to ensure accurate data collection and real-time updates.

Aviation, Transportation | BLE, UWB, RTLS

108 School attendance tracking

Students with a dedicated mobile app or a tag in their backpack are automatically checked in as they enter the school. The system can track attendance and notify teachers or parents of any irregularities.

Education | BLE, RTLS

109 Passenger boarding verification

Airport staff can verify passenger identities and flight details using a mobile app that communicates with tags on luggage or wearables. This ensures accurate and efficient boarding processes.

Transportation, Travel | BLE, NFC

110 Customer service optimization

Customers approaching the service desk trigger a notification on the staff's device, allowing for proactive assistance. This enhances customer experience by reducing wait times and improving service efficiency.

Retail, Hospitality | BLE, RTLS

111 Patient monitoring

Medical staff can monitor patient status in real-time using a mobile app that connects to beacons attached to hospital beds. The system provides alerts and updates on patient movements and conditions.

Healthcare | BLE, RTLS

112 Patient tracking in healthcare

Patients are tracked within the hospital using wireless tags attached to their belongings. This helps in locating patients and managing their flow through the facility efficiently.

Healthcare | BLE, RTLS

113 Pet tracking and management

Veterinarians can track the location of pets within the clinic using wireless tags on collars. This helps in managing pet flow and locating animals quickly during busy hours.

Veterinary, Pet Care | BLE, RTLS

114 Event management and crowd control

Attendees wear wristbands with embedded tags that enable real-time tracking and analytics. Event organizers can monitor crowd density and flow, enhancing safety and experience.

Events, Entertainment | BLE, RTLS, TDOA

115 Retail customer engagement

Customers receive personalized product information and offers on their mobile devices as they browse specific sections of the store. The system uses beacons to detect the customer's location and send relevant content.

Retail | BLE, RTLS

116 Retail customer engagement

Shoppers receive personalized offers and product information on their mobile devices as they walk through the mall, thanks to strategically placed beacons. This enhances the shopping experience and drives sales.

Retail, Shopping Malls | BLE, RTLS

117 Retail customer engagement

Shoppers receive personalized offers and product information as they walk by stores. The system uses wireless technology to detect their presence and send relevant notifications to their mobile devices.

Retail, Consumer Goods | BLE, RTLS

118 Retail analytics

Shoppers with a mobile app receive personalized offers as they walk through the store. Retailers can track customer movement and optimize store layout using data from beacons.

Retail | BLE, RTLS

119 Retail analytics

Shoppers with a mobile app can receive personalized product recommendations based on their location within the store. The app uses beacons to track shopper movement and preferences.

General | BLE, RTLS

120 Real estate marketing

Prospective buyers can use their smartphones to access detailed property information when they are near a real estate listing. The system uses wireless technology to trigger content based on the buyer's proximity to the property.

Real Estate | BLE, NFC

121 Retail customer engagement

Customers receive personalized offers and product information on their mobile devices as they walk through the store. Beacons trigger relevant content based on the customer's location and preferences.

Retail, Consumer Goods | BLE, RTLS

122 Museum and gallery navigation

Visitors with a dedicated mobile app can receive detailed information about each exhibit as they approach it. The app uses wireless beacons to trigger content and enhance the visitor experience.

Museums, Cultural Venues | BLE, RTLS

123 Venue navigation and services

Attendees at a sports event can use a mobile app to navigate the venue, find their seats, and access services like food ordering or event updates. The app leverages beacons for location awareness.

Sports, Entertainment | BLE, RTLS

124 Museum visitor engagement

Visitors with a museum app can receive detailed information about exhibits as they approach them. Beacons installed near each exhibit trigger content on the visitor's phone, enhancing the educational experience.

Museums, Tourism | BLE, RTLS

125 Electric vehicle charging

Drivers can locate available charging stations and monitor their vehicle's charging status through a mobile app. The app uses wireless technology to connect with charging stations and provide real-time updates.

Transportation, Automotive | BLE, LTE, SDK

126 Smart parking management

Vehicles are detected and guided to available parking spots using wireless technology. The system can also manage entry and exit barriers automatically.

Parking, Transportation | BLE, UWB, RTLS

127 Drive-thru service optimization

Customers in vehicles are detected and served faster with wireless beacons installed at the drive-thru window. The system can also manage queue flow and provide personalized offers.

Retail, Food Service | BLE, RTLS

128 Smart parking

Drivers can use a mobile app to find available parking spots and reserve them in advance. The app provides real-time updates on parking availability thanks to beacons installed in the parking area.

Transportation, Real Estate | BLE, RTLS

129 Proximity marketing

Consumers receive personalized promotions on their mobile devices as they walk by a store. The system uses wireless beacons to trigger the message when the customer is in the vicinity.

Retail, Advertising | BLE, RTLS

130 Retail product information

Customers can scan products with their mobile app to receive detailed information, reviews, and special offers. The app uses wireless technology to connect with beacons placed near the products.

Retail, Consumer Goods | BLE, NFC, QR

131 Retail marketing and customer engagement

Customers receive personalized promotions and product information as they walk by a store window, thanks to beacons and a dedicated mobile app. This enhances the shopping experience and drives foot traffic into the store.

Retail, Consumer Goods | BLE, NFC, SDK

132 Retail navigation and promotions

Customers receive personalized navigation and real-time promotions on their mobile app as they move through the store. The app guides them to specific sections based on their shopping list or preferences.

Retail | BLE, RTLS

133 Retail product interaction

Customers can interact with products on shelves using a mobile app that provides detailed information and recommendations. The app uses proximity technology to enhance the shopping experience.

Retail, Consumer Goods | BLE, NFC, SDK

134 Inventory management

Retail employees use a mobile app to track inventory items equipped with wireless tags. The app provides real-time updates on stock levels and item locations within the store.

Retail, Logistics | BLE, RTLS

135 Inventory management

Staff can monitor inventory levels and asset locations in real-time using a mobile app that connects to beacons placed throughout the storage area. The app provides analytics and visual maps for efficient management.

Pharmaceuticals, Retail | BLE, RTLS, SDK

136 Proximity marketing

As customers walk by, their smartphones receive personalized offers and promotions from the store. This is enabled by beacons installed near the entrance that trigger location-based notifications.

Retail, Hospitality | BLE, SDK

137 Queue management

Customers are guided to the nearest available kiosk or counter using their mobile app and wireless beacons. This reduces wait times and optimizes the flow of customers within the venue.

Retail, Quick Service Restaurants | BLE, RTLS

138 Customer loyalty and rewards

Customers earn loyalty points when they use self-service kiosks, tracked by beacons. The mobile app updates in real-time, enhancing customer engagement and satisfaction.

Retail, Food Service | BLE, RTLS

139 Proximity marketing

Customers receive personalized promotions on their mobile devices when they are near a restaurant. The app uses location data to trigger relevant ads, enhancing customer engagement.

Retail, Food and Beverage | BLE, RTLS

140 Indoor navigation

Customers with a mobile app can navigate through the venue using wireless beacons. The app provides turn-by-turn directions and can also offer location-based services such as promotions or information about exhibits.

Museums, Retail, Hospitality | BLE, UWB, RTLS

141 Museum guide

Visitors can use their smartphones to receive detailed information about exhibits as they approach them. The system uses wireless beacons to trigger content based on the visitor's location within the museum.

Museums, Tourism | BLE, RTLS

142 Airport operations management

Airport staff use a mobile app to monitor the status of aircraft and ground equipment in real-time. The system uses wireless beacons to track the location of assets and personnel, improving operational efficiency and safety.

Transportation, Travel | BLE, UWB, RTLS

143 Airport baggage tracking

Luggage carts equipped with wireless tags allow for real-time tracking of baggage from check-in to the aircraft. This system ensures accurate and efficient handling of passenger luggage.

Transportation, Travel | BLE, UWB, RTLS

144 Airport parking guidance

Travelers with a mobile app can find their parked car easily using wireless beacons installed in the parking lot. The app provides real-time navigation and updates on available parking spots.

Transportation, Travel | BLE, RTLS

145 Smart parking

Vehicles equipped with wireless technology can communicate with parking lot sensors to find available spots and guide drivers directly to them. This reduces parking time and congestion in busy areas.

Transportation, Retail | BLE, UWB, RTLS

146 Smart parking management

Vehicles equipped with wireless tags can be precisely located within a parking garage using beacons and anchors. This system helps in optimizing parking space utilization and guiding drivers to available spots.

Parking, Transportation | UWB, BLE, RTLS

147 Inventory management in automotive

Automotive workers can track the location of parts and tools using wireless tags. This system improves efficiency by ensuring that the right parts are available at the right time and place.

Automotive, Manufacturing | BLE, UWB, RTLS

148 Vehicle assembly line optimization

Manufacturers can track the progress of vehicles on the assembly line using wireless tags. Real-time data on each vehicle's location and status helps optimize production flow and reduce bottlenecks.

Automotive, Manufacturing | BLE, RTLS

149 Inventory management

Workers can track the location of assets and inventory items using wireless tags. The system provides real-time updates on the status and location of goods, improving operational efficiency.

Logistics, Warehousing | BLE, UWB, RTLS

150 Inventory management

Warehouse staff use a mobile app to track the location of assets equipped with wireless tags. The app provides real-time updates and alerts for efficient inventory control.

Warehouses, Logistics | BLE, RTLS

151 Inventory management

Workers use a mobile app to track inventory in real-time as items are loaded into trucks. The system uses wireless beacons for precise location tracking within the warehouse and during loading.

Logistics, Warehousing | BLE, UWB, RTLS

152 Inventory management

Wireless tags on containers communicate with gateways to track inventory in real-time. This system ensures accurate stock levels and efficient warehouse operations.

Warehouses, Logistics | BLE, UWB, RTLS

153 Construction site asset tracking

Workers can locate and track construction equipment using a mobile app that communicates with beacons attached to the machinery. This improves operational efficiency and asset management on large construction sites.

Construction | BLE, RTLS

154 Dock management

Forklifts equipped with wireless tags can be tracked as they move containers in and out of loading docks. This system ensures efficient dock utilization and real-time inventory updates.

Warehouses, Logistics | BLE, UWB, RTLS

155 Vehicle tracking

Trailers equipped with wireless locators automatically inform destination systems about their arrivals. This ensures real-time tracking and efficient logistics management.

Transportation | UWB, LTE, BLE

156 Truck and cargo monitoring

Wireless beacons attached to trucks and cargo containers provide real-time location data, allowing fleet managers to monitor vehicle movements and cargo status through a mobile app.

Logistics, Transportation | BLE, UWB, RTLS

157 Fleet management and asset tracking

Managers can monitor the real-time location and status of forklifts and other vehicles within a warehouse using a tablet app. This system helps optimize operations and prevent collisions through precise vehicle tracking.

Warehouses, Logistics | UWB, RTLS, BLE

158 Waste management optimization

Smart waste bins equipped with sensors communicate their fill levels to a central system, enabling optimized collection routes and schedules. This reduces unnecessary trips and improves operational efficiency.

Municipal Services, Waste Management | BLE, LTE, RTLS

159 Worker safety and tracking

Workers in hazardous environments are equipped with tags that continuously monitor their location and safety status. The system can trigger alerts for proximity to dangerous areas or inactivity.

Mining, Construction | UWB, RTLS, BLE

160 Construction site management

Project managers can monitor the progress of construction sites in real-time using a mobile app that interacts with beacons placed around the site. This allows for efficient tracking of materials and workforce.

Construction, Real Estate | BLE, RTLS

161 Asset tracking in construction sites

Construction workers can track the location of equipment and materials using a mobile app that interacts with beacons installed around the site. This improves efficiency and reduces downtime.

Construction | BLE, UWB, RTLS

162 Office wayfinding

Employees use a mobile app to navigate the office space, with indoor positioning technology guiding them to their destination. The app can also provide additional office-related information and services.

Corporate, Real Estate | BLE, UWB, RTLS

163 Office wayfinding

Employees use a mobile app to navigate the office space, find colleagues, and locate meeting rooms. The app leverages indoor positioning technology for accurate guidance.

Corporate, Real Estate | BLE, UWB, RTLS

164 Smart office space management

Employees use a mobile app to find available desks and book meeting rooms. The app tracks occupancy in real-time using wireless beacons installed throughout the office space.

Corporate, Real Estate | BLE, RTLS

165 Asset tracking

Office assets like keys can be tracked using wireless tags. Employees can easily locate misplaced items with a mobile app, reducing downtime and improving productivity.

Office, Retail | BLE, RTLS

166 Real-time location tracking

Employees wearing tags can be tracked in real-time as they move through the facility. This helps in monitoring presence and movement for better operational efficiency.

Healthcare, Retail | BLE, UWB, RTLS

167 Smart home automation

Residents control their home environment using a mobile app that interacts with beacons placed around the house. The app can adjust lighting, temperature, and other smart devices based on user presence and preferences.

Consumer Electronics, Smart Home | BLE, NFC, SDK

168 Bike sharing and tracking

Users can locate and unlock bikes using a mobile app that communicates with beacons installed on the bikes. The app provides real-time bike availability and location data.

Transportation, Urban Mobility | BLE, UWB, SDK

169 Smart retail analytics

Retailers can track customer movement and dwell time near specific products using beacons. This data helps optimize store layout and product placement for better customer engagement.

Retail | BLE, RTLS

170 E-scooter rental

Users can unlock and rent e-scooters using a mobile app that communicates with beacons on the scooters. This system ensures secure and contactless access to the vehicle.

Transportation, Urban Mobility | BLE, NFC

171 Fleet management and asset tracking

Scooters equipped with wireless tags can be tracked and managed efficiently. Fleet operators can monitor the location and status of each scooter in real-time using a mobile app connected to cloud services.

Transportation, Logistics | BLE, UWB, RTLS

172 Event entry management

Event staff use a mobile app to scan and validate tickets, ensuring smooth entry for attendees. The system can also track attendance and provide real-time analytics.

Entertainment, Sports | BLE, NFC, QR

173 Indoor navigation

Visitors use a mobile app to navigate through large indoor spaces like airports or malls. The app provides real-time location updates and directions thanks to beacons installed throughout the venue.

Retail, Transportation | BLE, RTLS, TDOA

174 Smart city pedestrian navigation

Pedestrians receive real-time navigation and information about city attractions through their mobile devices, thanks to beacons installed in public areas. The system enhances the urban experience by providing personalized guidance and city updates.

Smart Cities, Tourism | BLE, RTLS, SDK

175 Indoor navigation

Visitors use a mobile app to navigate through large venues like museums or airports. The app provides turn-by-turn directions based on the user's location, which is tracked by beacons installed throughout the venue.

Museums, Airports, Retail | BLE, RTLS, TDOA

176 Inventory management

Chefs and kitchen staff can track inventory levels in real-time using wireless tags on items and beacons around the kitchen. This system ensures that stock levels are always up-to-date and can alert when supplies are low.

Hospitality, Food Service | BLE, RTLS

177 Retail analytics

Shoppers with mobile devices receive personalized offers and product information as they move through the store. Retailers can track customer behavior and optimize store layout and promotions.

Retail | BLE, RTLS, SDK

178 Indoor navigation

Shoppers with a dedicated mobile app can navigate through the mall with ease. The app uses beacons to guide users to specific stores or products, enhancing the shopping experience.

Retail, Shopping Malls | BLE, RTLS

179 Real-time asset tracking

Warehouse managers can monitor the location and movement of assets and personnel in real-time using a mobile app. This helps in optimizing workflows and ensuring safety protocols are followed.

Warehouses, Logistics | BLE, UWB, RTLS

180 Retail inventory management

Store associates can use a mobile app to locate products in real-time, thanks to beacons installed throughout the store. This improves inventory accuracy and customer service.

Retail | BLE, RTLS

181 Warehouse inventory management

Employees use a mobile app to track inventory in real-time, with precise location data provided by beacons installed throughout the warehouse. This system enhances efficiency and accuracy in stock management.

Logistics, Retail | BLE, RTLS

182 Inventory management

Warehouse staff use mobile devices to scan items and update inventory in real time. Beacons placed on shelves help locate items and optimize picking routes.

Warehouses, Logistics | BLE, RTLS

183 Retail analytics and customer journey optimization

Shoppers with smart shopping carts are tracked throughout the store using beacons. Retailers gain insights into customer behavior and optimize store layouts and promotions accordingly.

Retail | BLE, RTLS

184 Asset tracking in parking garages

Shopping carts equipped with wireless tags can be tracked in real-time within a parking garage. This helps in managing cart availability and ensuring they are returned to the correct location.

Retail, Parking | BLE, RTLS

185 Autonomous vehicles and robot location

Self-driving vehicles and robots can precisely compute their location because of beacons and anchors installed in venues. The same infrastructure can be used for people and robot navigation, as well as anti-collision systems.

Warehouses, Factories | UWB, TDOA

186 In-vehicle services activation

Drivers can activate various in-vehicle services using a mobile app that communicates with the car's internal systems via wireless technology. This can include climate control, entertainment, and navigation settings.

Automotive, Transportation | BLE, NFC

187 Smart shopping cart

Customers with a mobile app can receive real-time product information and deals as they shop. The app uses wireless beacons to detect the customer's location and the products they are looking at.

Retail | BLE, RTLS

188 Vehicle-to-vehicle communication

Vehicles equipped with wireless communication technology can exchange data such as speed and location to enhance safety and traffic efficiency. This system can alert drivers to potential hazards and coordinate movements.

Transportation, Automotive | UWB, LTE, BLE

189 Vehicle access control

Users can unlock and start their vehicle using a dedicated mobile app that communicates with a beacon installed in the car. This contactless method enhances security and convenience.

Automotive | BLE, UWB

190 Automated access control

Vehicles equipped with wireless tags can trigger automatic gate opening as they approach. The system identifies the vehicle and grants access based on pre-registered permissions.

Real Estate, Security | BLE, UWB, RTLS

191 Inventory management

Warehouse staff can track the real-time location of assets using a mobile app that interacts with beacons installed on shelves and equipment. This system improves inventory accuracy and efficiency.

Logistics, Warehouses | BLE, RTLS

192 Asset tracking in laboratories

Scientists can track the location of equipment and materials in real-time using wireless tags and beacons. This improves efficiency and ensures that resources are always available when needed.

Research, Healthcare | BLE, UWB, RTLS

193 Inventory management

Employees can track the location of assets and inventory in real-time using wireless beacons. This system helps in optimizing warehouse operations and reducing manual search time.

Warehouses, Logistics | BLE, UWB, RTLS

194 Inventory management

Items equipped with wireless tags can be tracked in real-time within a facility. This allows for automated inventory updates and efficient asset management.

General | BLE, UWB, RTLS

195 Asset and patient tracking

Hospitals can track the real-time location of patients and medical equipment using wireless beacons. This improves operational efficiency and patient care by ensuring assets are always available when needed.

Healthcare | BLE, UWB, RTLS

196 Hospital asset tracking

Hospital staff can track the location of medical equipment and beds using wireless tags. This ensures efficient management and quick access to necessary resources.

Healthcare | BLE, RTLS

197 Indoor navigation

Visitors use a mobile app to navigate through a museum or gallery. The app provides real-time location tracking and guidance based on wireless beacons installed throughout the venue.

Museums, Retail | BLE, RTLS

198 Facility management and cleaning optimization

Cleaning staff can be tracked and managed efficiently using beacons installed in rooms. This helps in monitoring cleaning schedules and ensuring timely service.

Hospitality, Real Estate | BLE, RTLS

199 Hospital asset tracking

Nurses can locate medical equipment and assets in real-time using a mobile app that connects to beacons installed throughout the hospital. This improves efficiency and patient care by ensuring quick access to necessary tools.

Healthcare | BLE, RTLS

200 Facility management and cleaning optimization

Cleaning staff equipped with beacons can track their cleaning routes and coverage areas. Managers can monitor cleaning schedules and ensure all areas are serviced efficiently.

Facilities Management, Hospitality | BLE, RTLS

201 Smart home automation

A smart kitchen uses wireless technology to track user presence and activity. It can automatically adjust lighting, temperature, and appliances based on user location and behavior.

Home Automation, Smart Living | BLE, UWB, RTLS

202 Child safety and tracking

Parents can monitor their child's location within a venue using a mobile app. Beacons installed throughout the area provide real-time updates on the child's position, ensuring safety and easy tracking.

Retail, Entertainment | BLE, RTLS

203 Child safety monitoring

Parents can track their child's location within a large venue using a mobile app. Beacons installed throughout the area provide real-time location data to ensure the child stays within a safe zone.

Amusement Parks, Family Entertainment | BLE, RTLS

204 Child safety monitoring

Parents can monitor their child's location within a playground using a mobile app that connects to beacons installed around the area. The app provides real-time alerts and location updates for enhanced safety.

Consumer, Retail | BLE, RTLS

205 Student safety and tracking

Students with a smart backpack can be automatically checked in as they board the school bus. The system uses wireless technology to ensure safety and track attendance.

Education, Transportation | BLE, UWB

206 Passenger safety monitoring

Passengers wearing tags can be monitored for safety and health within the vehicle. The system can track their location and status, alerting staff to any issues or needs.

Transportation, Public Transit | BLE, UWB, RTLS

207 Livestock monitoring

Farmers can track the health and location of their livestock using wireless tags on the animals. The data is transmitted to a mobile app for real-time monitoring and analysis.

Agriculture, Farming | BLE, UWB, RTLS

208 Asset tracking in agriculture

Farm equipment and assets can be tracked in real-time using wireless beacons. This helps in optimizing the use of machinery and reducing downtime.

Agriculture | BLE, UWB

209 Smart beverage dispensing

Bartenders can monitor and manage beverage inventory and quality in real-time using wireless sensors. The system can alert staff when supplies are low or if there are temperature fluctuations.

Hospitality, Retail | BLE, RTLS

210 Indoor navigation in gaming venues

Players can use a mobile app to navigate through the gaming area, find available machines, and receive personalized offers. The app uses wireless beacons for accurate indoor positioning.

Entertainment, Gaming | BLE, RTLS

211 On-site media production

Journalists and production teams can use wireless beacons to track equipment and assets on location. The technology ensures that all gear is accounted for and can be quickly located when needed.

Media, Entertainment | BLE, RTLS

212 Marina management and navigation

Boats equipped with wireless tags can be precisely located within the marina, allowing for efficient docking management and navigation assistance for boat owners.

Marine, Transportation | UWB, BLE, RTLS

213 Smart city infrastructure

Streetlights equipped with wireless technology can communicate with vehicles and pedestrians to enhance safety and efficiency. The system can manage traffic flow, pedestrian crossings, and even provide real-time data for city planning.

Transportation, Smart Cities | BLE, UWB, RTLS

214 Venue navigation

Attendees use a mobile app to navigate large venues like stadiums or arenas. The app provides turn-by-turn directions to their seats or points of interest using wireless beacons installed throughout the venue.

Sports, Entertainment | BLE, UWB, TDOA

215 Child safety and monitoring

Parents and caregivers can track the location of children within a play area using wireless tags on children's devices. The system alerts if a child moves out of a safe zone.

Childcare, Education | BLE, RTLS

216 Retail product interaction

Customers can interact with products using a digital display that provides additional information about the item they are holding. This enhances the shopping experience by offering detailed product insights directly in-store.

Retail | BLE, NFC

217 Smart traffic management

Wireless beacons installed along the road can monitor traffic flow and pedestrian movement, optimizing traffic signals and improving road safety. The system can also provide real-time data for urban planning.

Transportation, Smart Cities | BLE, RTLS, TDOA

218 Smart city pedestrian tracking

Pedestrians with a mobile app can be tracked for safety and traffic analysis using beacons installed on street poles. The app can provide real-time alerts and navigation assistance.

Smart Cities, Transportation | BLE, UWB, TDOA

219 Patient monitoring and care

Healthcare providers can monitor patient conditions in real-time using wireless technology. Beacons can track patient location and status, enabling immediate response to critical changes.

Healthcare | BLE, UWB, RTLS