Bluetooth® Low-Energy SmartSole
Tracking Of The Dependent

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EXECUTIVE SUMMARY

In caring for those afflicted by Alzheimer’s, Dementia, Autism or other memory cognitive disorders, it is imperative to know if they have wandered outside or away. BluVision’s BEEKS low-cost Bluetooth® beacons are integrated into the BLE SmartSole™ by GTX Corp.. The innovative sensor system communicates beacon-reporting via BluVision’s BluFi’s (Bluetooth to WiFi gateway/sensors) whether a person has entered or left the desired area to a central GTX Corp. cloud server.

BluVision, an industry-leading solution provider of low-energy beacon and enterprise services, partnered with GTX Corp. to create this new and advanced tracking solution that has a BEEKS Beacon embedded into the sole of a BLE SmartSole™ and utilizes BluFi to track movement in rooms, areas, etc. as deemed important by the user. The mobile app is used for personnel or caregivers to receive notification of movement. This advanced tracking solution improves the security of those who cannot take care of themselves and gives them some freedoms by interactively notifying caretakers of changes in the location of a person in real-time.

The Bluetooth beacon sensor integrated into each BLE SmartSole™ includes functionality that allows caretakers to locate individuals by providing real-time data through your current smartphone application or new ones. The application leverages information from BEEKS Bluetooth wireless sensors, which detect when a person has left the desired location.

Some of the Features provided by BLE SmartSole™ with BEEKS beacons include:

- **Simply and Easy Set Up** (Plug In The BluFi - Bluetooth to WiFi Gateway)
- **Set Range** (To Monitor A Wearer In A Room, House or Building)
- **Long Battery Life** (Over 1 Year*)
- **Real-Time Notifications** (Via EMAIL or Text / To Multiple Caregivers)
- **Comfortable** (Ergonomic Insoles Fit Most Shoes, Sizes 3-14)
- **Water Resistant** (To IP-57 Standards)
- **Anti-Friction** (Fabric Wicks Moisture Away From The Foot)

*Battery life may vary based on set range and other setting.

BLE SmartSole™ provides a comfortable and accurate way to monitor those in need. BLE SmartSole™ utilizing BluVision’s BEEK beacon offers a low-cost solution for accomplishing these activities. BLE SmartSoles look and feel like regular insoles, FREE from the stigma of a “lock on” bracelet. They can be placed in most shoes and may be trimmed for fit as needed. With a battery life of over 1 year, there is no need to worry about recharging or replacing batteries.
HOW IT WORKS

Each BLE SmartSole™ has a BEEKS beacon imbedded into it with each BEEK Beacon having a unique identifier that reports if the person has left the specified area. A BluFi (BLE to WiFi Gateway) monitors the area and sends an E-MAIL or Text alert to a smartphone, tablet or other mobile device. The BluFi is simply plugged into any standard power outlet and then you set the Perimeter Range. The BluFi offers either 3 Directional or One Omni Directional antenna configurations to meet the needs of each application.

About BluVision

BluVision is a leader in Bluetooth low-energy beacon technology that designs, develops, and manufactures beacons, enterprise solutions and software applications for a wide array of use cases worldwide. We are experts in Bluetooth low energy (Bluetooth 4.0) designs and specialize in very small beacons and small battery powered location devices and cloud services that enable the right information to get to the right people at the right time.

For More Information

For more information, contact: sales@bluvision.com

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