

Autani SPOT: Scalable and Reliable Real-Time Location System

OUR GRANULAR SPOT SYSTEM DOESN'T INTERFERE WITH EXISTING WIRELESS NETWORKS, EVEN WHEN SCALED FOR MASSIVE PROJECTS.



The Autani SPOT system delivers real-time accurate and reliable positioning of people and assets in real-world environments such as: smart manufacturing, factories, warehouses, healthcare centers, offices and more. Utilizing Ultra-Wideband (UWB) Technology Autani SPOT reports actual location data instead of last-known location / point-of-scan. Furthermore, our granular system doesn't interfere with existing wireless networks, even when scaled for massive projects. UWB technology outperforms other location and tracking technologies in accuracy, scalability, security, and even cost.

- Enterprise Platform Software
- Point-by-point history playback for all tracked devices
- Customizable tracking settings and asset labels
- Easy to use user interface that can notify multiple individuals leveraging unlimited escalations
- Real-time locating system paired with an alert system giving you awareness within seconds
- Environmental Monitoring alerts you 24/7, along with automated compliance monitoring
- Cloud-based platform makes implementation a low maintenance exercise for your IT team



- Workflow optimizes efficiencies, increases satisfaction and throughput
- Tracking personnel requires special considerations for data security and privacy. Autani SPOT safeguards location data, protects personal privacy, and delivers high-value, high-precision location simultaneously.
- Real-time asset utilization, par level and rental equipment tracking dashboards
- Dashboards are customizable to show only relevant data
- Access to all data via dashboards and the reports center
- Ability to leverage API's for deeper data analysis
- Mobile app allows for quick access to information when you need it
- Optimize security and support worker safety in restricted areas
- End user is given full ownership of all data generated.



WHAT IS ULTRA-WIDEBAND (UWB)?

The term UWB refers to a technique for transmitting data over a large section of the radio spectrum. This works by emitting short pulses with a small power output across a significant bandwidth. Essentially, UWB is a low-power way to send a considerable amount of data.

To determine location precisely in real time, UWB solutions typically utilize techniques such as Angle of Arrival (AoA), Time of Flight (ToF), Time-Distance-of-Arrival (TDoA) and other measurement methods. Some solutions use their own unique measurement techniques as well.

These benefits make UWB ideal for locating and tracking