



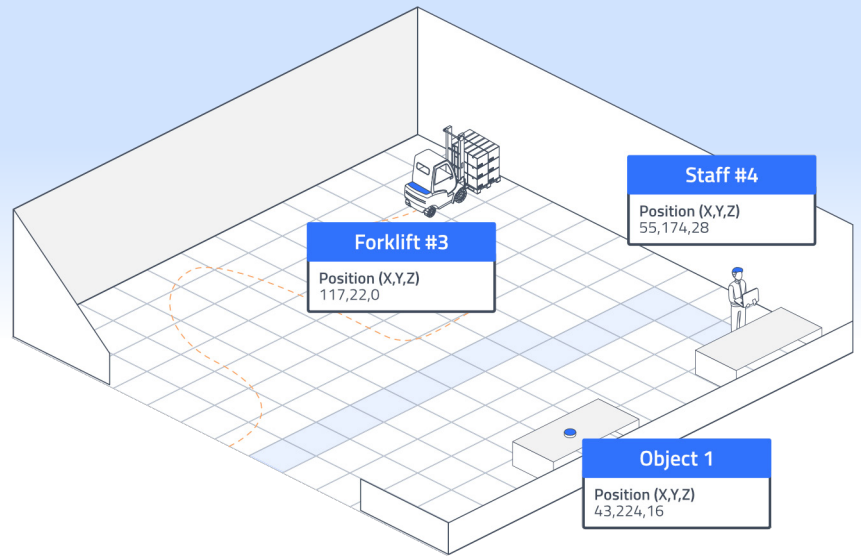
# Indoor Grid Tracking

## Ultra-Wide Band (UWB)

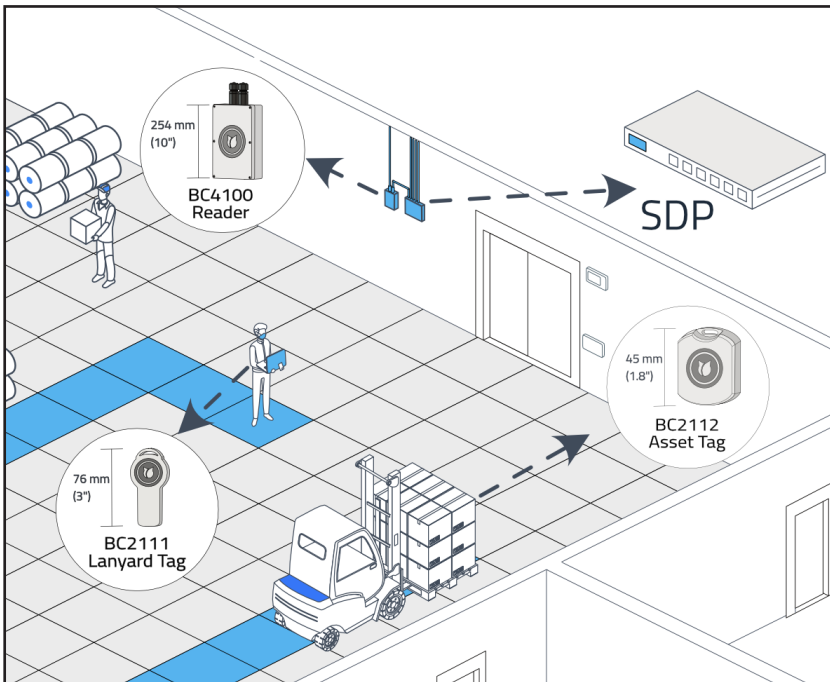
BlueCat's indoor live tracking solution consists of a "grid" of BlueCats readers which effectively covers any area where tracking is desired. It allows you to view the real-time position of any tagged person or asset overlaid on your own worksite maps.

With the live position of any tagged object in hand, you are empowered to track, monitor, and secure data.

- Keep track of your personnel and assets
- Monitor zones that are entered by tagged objects
- Save time and money by finding your personnel and assets quickly
- Save money by storing large amounts of data locally
- Maintain full data security with local storage



## Ultra-Wide Band (UWB) Canopy



The BlueCats Ultra-Wideband (UWB) Canopy is used for applications where the precise location of tagged "Things" is mission critical to the use case.

Our UWB solution is capable of tracking thousands of tagged "Things" in large warehouses, manufacturing facilities, and extreme industrial environments, in real time.

### Benefits

1. Complete assurance of asset and personnel location with unrivaled accuracy.
2. Find your tagged "Things" fast with Loop Local's real-time view.
3. Cost saving: Save money by storing large amounts of data locally versus hosting in the cloud.
4. Time saving: Spend your time on more important tasks after eliminating manual searching.



## Components

### BC2111 PERSONNEL



The BC2111 is a compact Ultra-Wideband (UWB) tag designed for personnel as part of our Indoor Grid UWB solution. The Tag fits on a lanyard and can include custom branding.

It has a battery life of approximately one year using a replaceable coin cell battery.

### BC2112 ASSET



The BC2112 Tag is a small tag for use with the BlueCats Ultra WideBand (UWB) Real-Time tracking solution.

It is one of the only small UWB tags on the market with an anticipated life of 3+ years.

The rugged plastic composite material is designed to withstand impact in harsh environments.

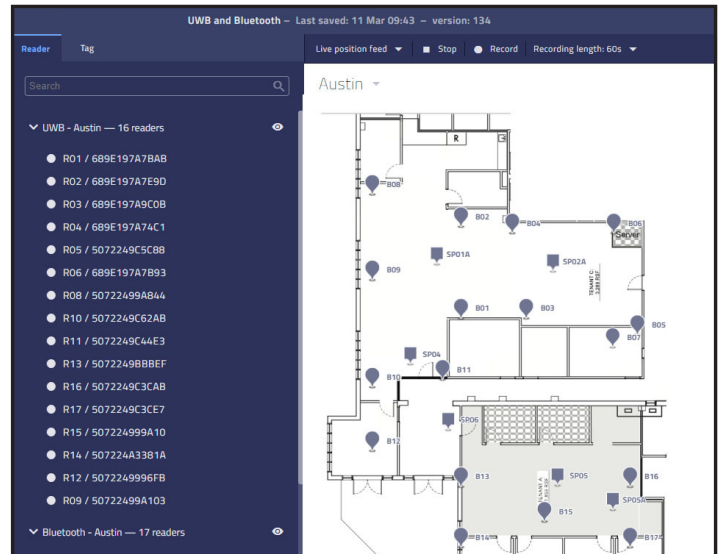
### BC4100 UWB READER



After receiving the signal, the BC4100 measures the time of arrival (ToA) and sends it to the Synchronization Distribution Panel (SDP). A tag's precise location is calculated from the combined difference in time of arrivals (TDoA) from multiple readers.

The BC4100 is a receiver only and does not transmit any signal.

### LOOP LOCAL



The Loop Local software platform converts signals from any BC2111 and BC2112 tags into meaningful location data. View tracking information including time and attendance, total tag counts, battery life statuses, and much more.

### SYNCHRONIZATION DISTRIBUTION PANEL



The BlueCats Synchronization Distribution Panel (SDP) provides power, timing synchronization, and Ethernet connectivity to a network of BlueCats readers.

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