

Facility visibility, inside and out.

Track forklifts, vehicles, and high-value tagged assets across the yard and inside the building where GPS cannot reach.

The positioning system

1. Vehicle Gateway on the vehicle

A vehicle-mounted GPS tracker and BLE gateway connects to vehicle power and detects nearby BLE tags. Reporting intervals vary by deployment.

2. BLE anchors on the structure

Fixed tags at known positions create the indoor reference grid. Their layout is planned around the facility and its coverage needs.

3. Positioning within the building

The vehicle gateway uses nearby fixed anchors to locate the vehicle indoors. Discuss required accuracy and the proposed anchor layout for your facility during a demo.

Hardware roles at a glance

Device	Attach to	Primary role
Vehicle Gateway	Hardwired to a forklift or vehicle	Positioning the moving vehicle and detecting nearby tags.
BLE Asset Tag	Fixed to a column or attached to an asset	The fixed anchor grid and individually tagged assets.
BLE Label	Attached to shipments and mobile items	Tracking tagged shipments and mobile items within the deployment's coverage.

The vehicle gateway and BLE anchor grid support indoor vehicle positioning. BLE labels identify shipments and mobile items detected within gateway coverage.

Location becomes insight.

The tracker family

Vehicle Gateway

GPS tracker + BLE gateway / Connects to vehicle power / Detects nearby BLE tags

BLE Asset Tag

Fixed anchors at known positions / Tags attached to individual assets / Detected by nearby vehicle gateways

BLE Label

BLE tag in a label format / Identifies the item it is attached to / Detected within gateway coverage

Tagged inventory and storage

Locate tagged coils, ingots, racks, and containers. See dwell, movement history, and entries or exits from defined zones. Count the tags inside each storage bay, compare them with capacity, and roll up utilization across the area.

A tag represents the item it is attached to. One tagged rack counts as one rack; its untagged contents are not individually counted. This overview describes tagged-item visibility, not stock accounting or replenishment.

Tagging an asset

Once your facility is set up: place the tag > scan its QR code > give the asset a name > find it on the map with dwell and history.

Plan a facility-specific demo

Bring your floor plan, vehicle and asset types, indoor/outdoor coverage needs, and ERP or WMS requirements. Discuss the required accuracy, installation responsibilities, timeline, integration scope, and pricing with the team.

info@pintailnav.com | 1-800-260-7709 | [Request a Demo](#)

Hardware selection, enclosure ratings, battery life, detection range, anchor spacing, and reporting intervals are confirmed for each deployment. This overview describes the system roles rather than specifications for a particular device.