

# Deployment Catalog

V.1 - 2025

You Supply Chain AI's Source of Truth

wiliot

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# About Wiliot

Wiliot, a pioneer of Ambient IoT, powers your supply chain with scan-free visibility into item location and condition. The Wiliot Intelligence Platform processes battery-free Bluetooth sensor signals (tags) in the Wiliot Cloud using AI and ML. Data enables real-time monitoring, inventory intelligence, and workflow optimization, delivering continuous AI-ready data that drives ROI today and scales into advanced AI tomorrow.

**8+**

Years of operations

**6**

Offices globally

**1B+**

Ambient IoT tags

**250+**

Employees



# How the Technology Works

The Wiliot Intelligence Platform has three components designed to scale easily and cost-effectively. **For low-voltage vendors, the focus is on installing the network infrastructure** — the bridges, gateways, and supporting power connections that create the wireless backbone of the system. This modular setup means Wiliot can be deployed in warehouses, stores, distribution centers, vehicles, or anywhere your installed infrastructure can provide coverage and connectivity.

## Network Infrastructure (installed by you)

Off-the-shelf bridges and gateways (hubs), which are quick to deploy, wake up nearby IoT tags using radio signals, receive their data, and forward it securely to the Wiliot Cloud.

## IoT Tags (applied by customers)

Low-cost, battery-free Bluetooth sensors attach to items and harvest energy from ambient radio signals to transmit data — such as location, temperature, and movement.

## Wiliot Cloud (managed by Wiliot)

The Wiliot Cloud is where raw sensing data is transformed into smart decisions and where our agents and specialized AI models live — providing alerts, analytics, and dashboards, along with flexible integration capabilities.



# Basic Deployment Steps

## 1 Pre-Deployment

- Reference design files and blueprints will be shared ahead of time.
- Site assessment may be required to identify power sources, obstacles, and access issues.
- Contractor, client, and Wiliot align on execution plan.

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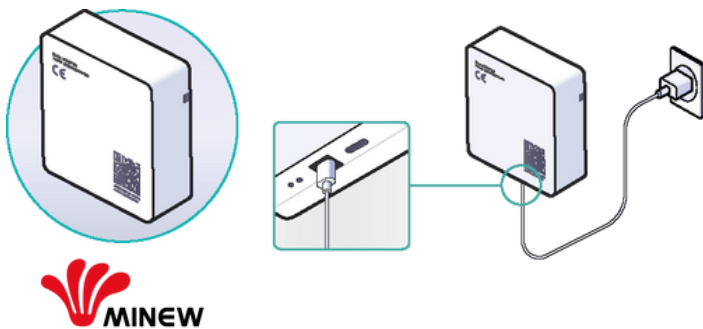
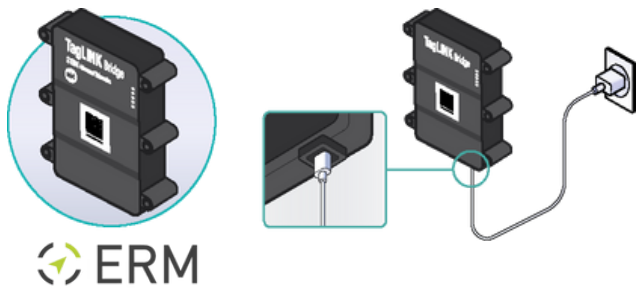
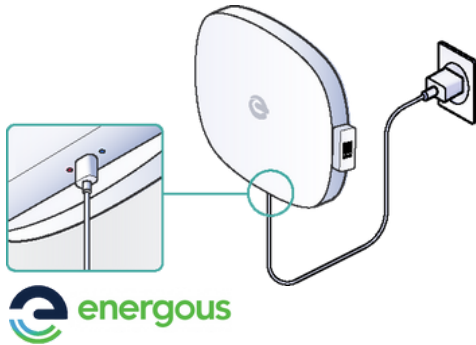
## 2 Installation

- Mount devices per layout
- Connect to power systems
- Deploy devices using the Wiliot deployment application
- Test basic functionality on-site



# Common Hardware

Bluetooth Low Energy (BLE) readers (aka bridges) and access points are common hardware our clients install



# Common Job Types

These are common types of deployments and types of network hardware you will be installing

- Open Area
- Loading Dock Door
- Warehouse
- Trucks / Trailers
- Baler / Waste

## Components

### Sensors (Tags)

Battery-free adhesive tags, customer applied

### Gateways

Internet hub, 12-24V DC, cellular/ethernet

### Bridges

Various models, ceiling/wall mount, PoE or 12VDC

### All-in-One Devices

Combined gateway/bridge units (Minew models)

## Standard Hardware Specs

### Bridge Power

9-32VDC, 200mA each (varies by model)

### Gateways Power

5-24V DC, 300mA

### All-in-One Power

PoE preferred or 12V DC

### Communication

2.4GHz mesh network

### Protection

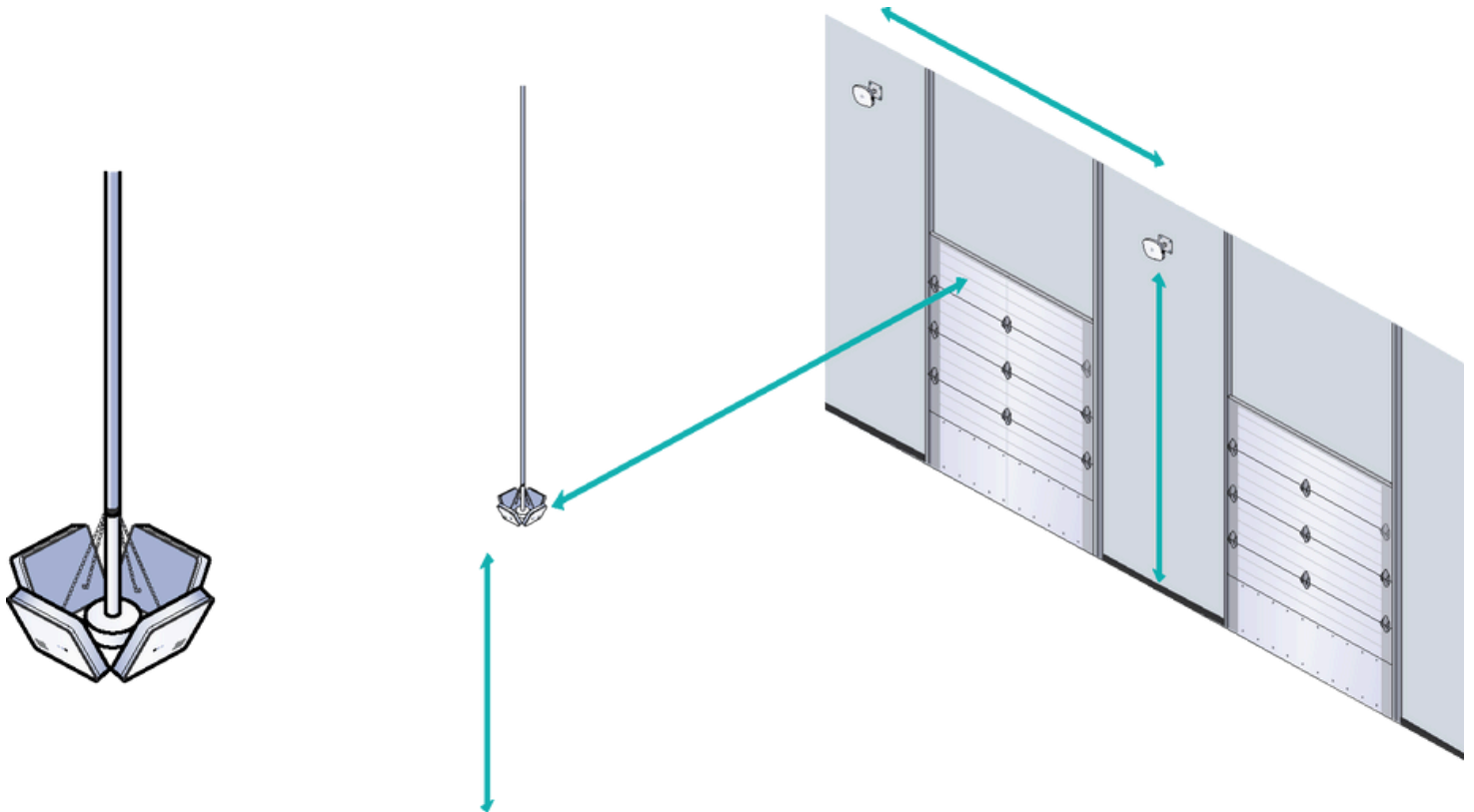
3-5A inline fuse recommended

# Loading Dock Door Open Area

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## Typical Job Includes:

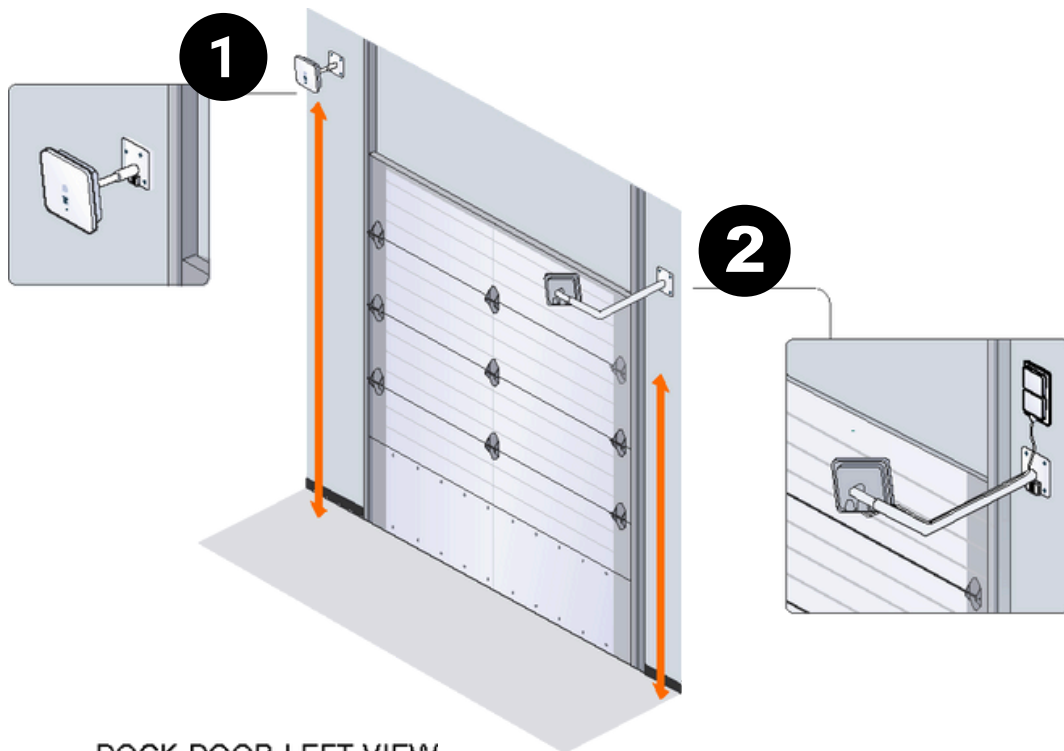
- Mount bridges near dock doors
- Mount chandelier with ceiling drop down
- Connect to power systems
- Ensure no obstructions between bridges and coverage area



# Loading Dock Door

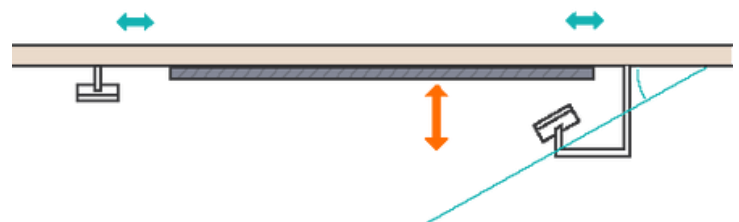
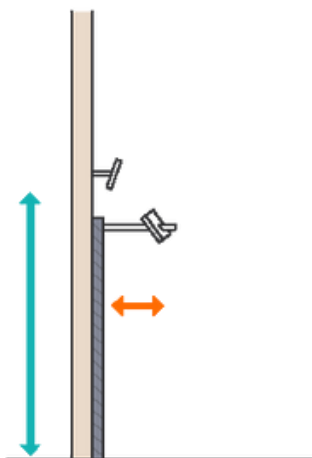
## Typical Job Includes:

- Mount bridges near dock doors
- Position them to "see" into (1) the staging area and (2) trailers
- Connect to dock power systems
- Ensure no obstructions between bridges and coverage area



DOCK DOOR LEFT VIEW

DOCK DOOR TOP VIEW

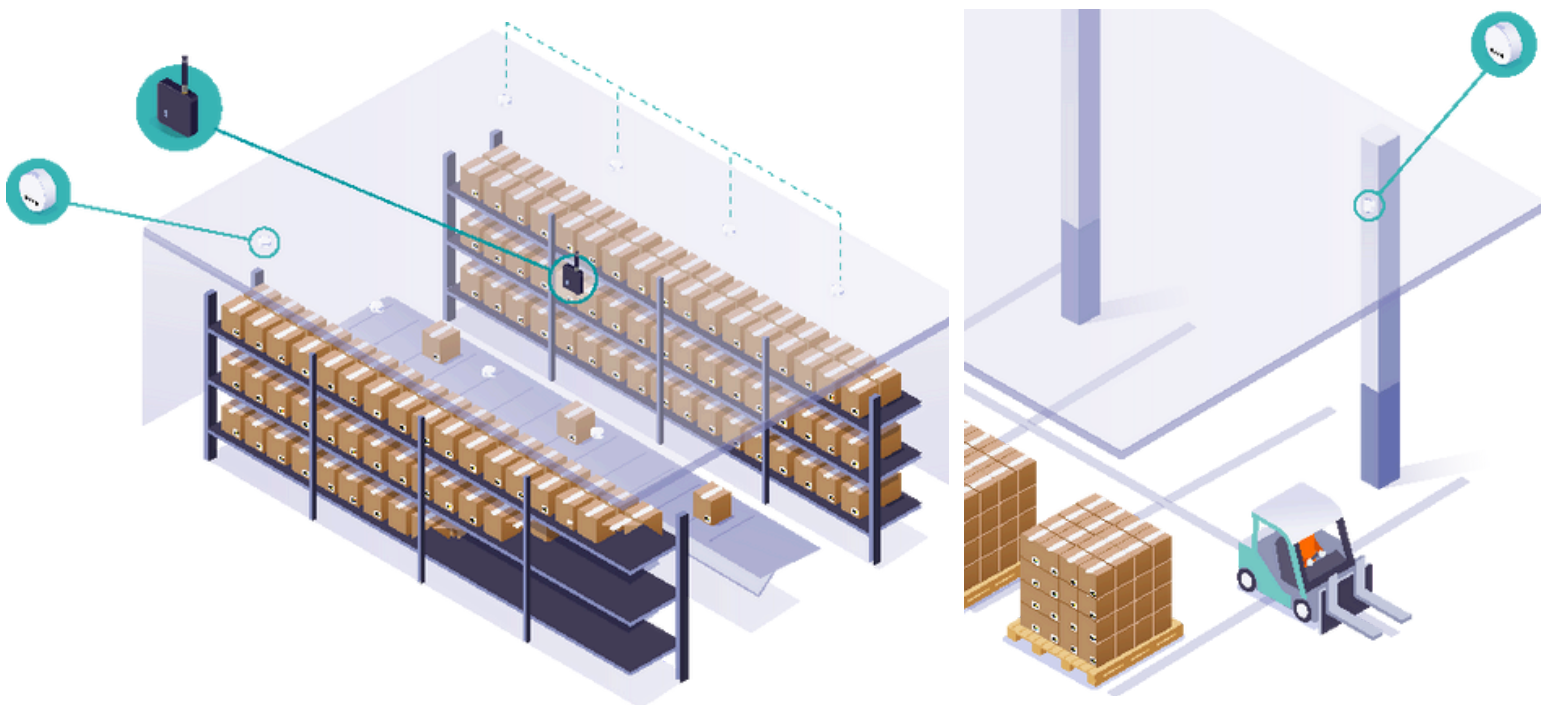
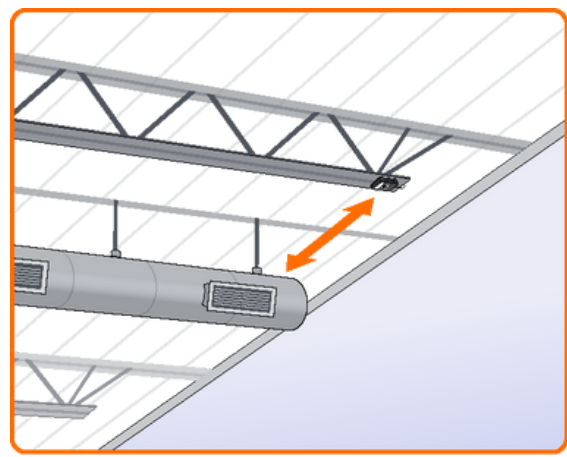
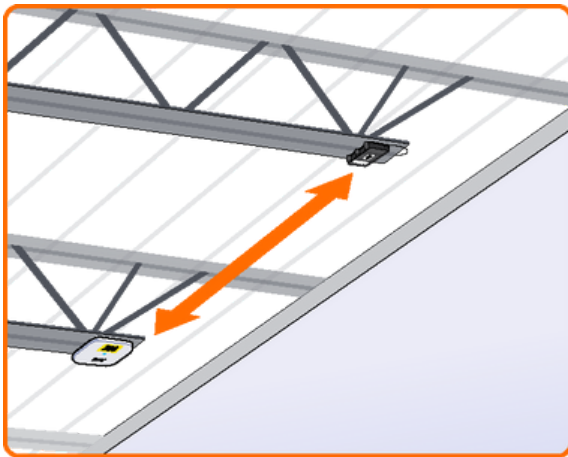


# Warehouse

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## Typical Job Includes:

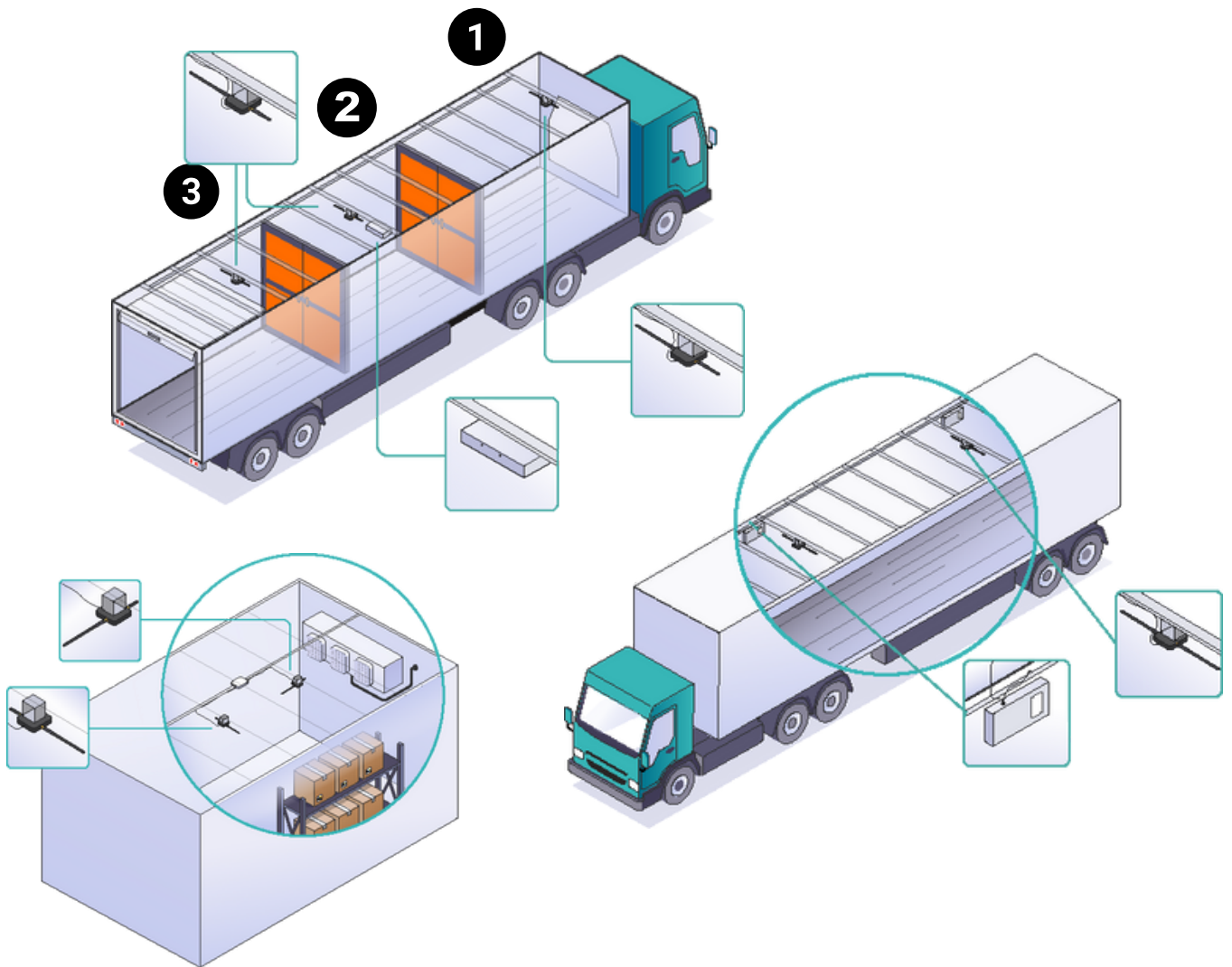
- Mount bridges on ceiling in secure location above key areas
- Run low-voltage power to each bridge
- Install gateway(s) in secure location
- Connect and test system



# Trailer / Truck

## Typical Job Includes:

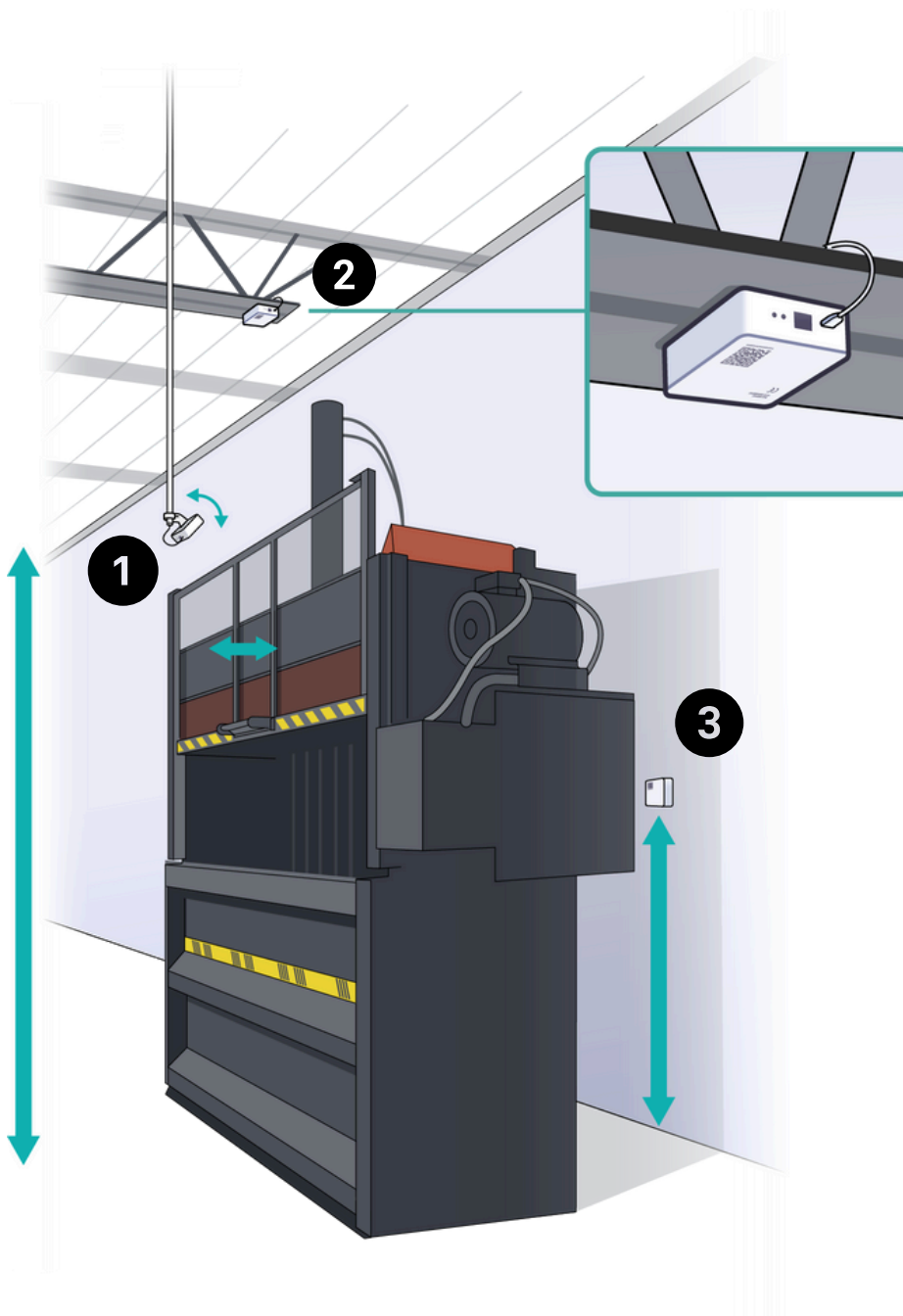
- Mount 3 bridges inside trailer (front, middle, back)
- Install 1 StarLink gateway in weatherproof box outside
- Connect to truck's 12V/24V electrical system
- Secure mounting for road vibration



# Baler / Waste

## Typical Job Includes:

- Mount 3 all-in-one devices (Minew)
- Mounting locations: (1) Center facing, (2) Center overhead, (3) Center back
- Run low-voltage power to each device
- Connect and test system





# Contact Us



Website

[www.wiliot.com](http://www.wiliot.com)



E-mail

[support@wiliot.com](mailto:support@wiliot.com)



HQ address

13500 Evening Creek Dr N

Suite 120

San Diego, CA 92128

United States

