

SOLUTION BRIEF

Automated Receiving

Eliminate manual receiving and accelerate dock-to-stock time

SOLUTION BRIEF
SUPPLY CHAIN OPERATIONS

The challenge: receiving is a bottleneck

Manual receiving creates bottlenecks—labor-intensive verification takes 24–48 hours and causes frequent discrepancies.

Wiliot delivers 99%+ receipt accuracy automatically

AT A GLANCE

2–6 hours	< 1 year	99%+
Dock-to-stock time	Average ROI capture	Receipt accuracy

THE PROBLEM RECEIVING OPERATIONS FACE

Today inbound goods require labor-intensive verification at receiving docks:

- Manual counting and scanning every case, pallet, or container
- Paper-based or system reconciliation matching POs to physical deliveries
- Long lag times between physical arrival and system visibility (hours, sometimes days)
- Frequent discrepancies—what arrived doesn't match what was ordered or delivered

The challenge: receiving is a bottleneck

THIS CREATES CASCADING PROBLEMS

- **High labor costs** — receiving teams spend significant time counting and entering data
- **Delayed inventory availability** — warehouses can't pick/fulfill until receiving completes
- **Disputes with suppliers** — no objective proof of what actually arrived and when
- **Operational bottlenecks** — receiving docks become congestion points during peaks
- Inaccurate forecasting and lack of real-time inbound visibility hampers planning

WHY CURRENT APPROACHES FALL SHORT

Manual processes fail at scale

A typical DC receiving 200+ inbound deliveries daily cannot staff enough people to verify everything accurately without creating massive bottlenecks.

Why not RFID?

RFID requires expensive fixed gates at every dock door or manual scanning. Wiliot provides continuous visibility in receiving areas with minimal infrastructure—no gates or scanning needed.

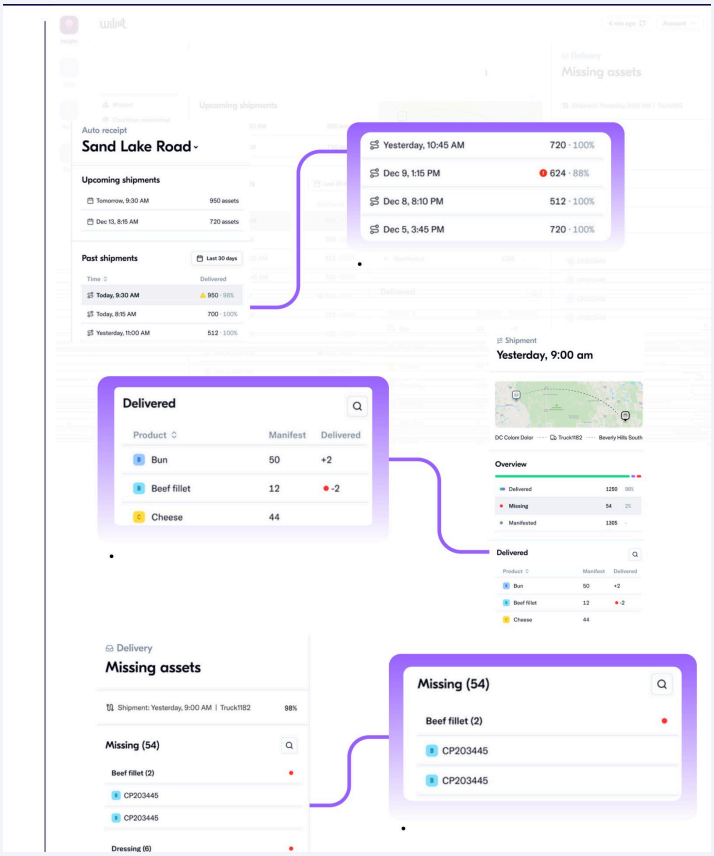
WHICH OF THESE APPLY TO YOU?

- ☑ Loss/misplaced items impacting revenue
- ☑ You receive significant inbound shipments regularly
- ☑ Current receiving process takes substantial time per delivery
- ☑ Designated receiving areas where shipments dwell
- ☑ You face frequent disputes about delivery quantities or timing

Wiliot business insights

WILIOT BUSINESS INSIGHTS

Views from the Wiliot solution application



01 Digital receipt that shows what arrived, where, and when

02 Confirms quantities and matches against expected deliveries (POs, ASNs)—no scanning, no manual entry

03 See tagged goods as they enter the receiving area and know what's missing

WHAT WILIOT PROVIDES

Scan-free, automated confirmation of goods arrival into receiving areas using battery-free IoT Pixels and minimal fixed infrastructure.

The solution application automatically:

- Detects tagged goods as they enter the receiving area
- Confirms quantities and matches against expected deliveries (POs, ASNs)
- Generates digital goods receipt records without manual intervention
- Provides real-time arrival confirmation at the receiving area

Key advantage: Unlike RFID that only sees assets at fixed choke points, Wiliot provides continuous tracking throughout the entire journey—in vehicles, at stores, in cross-docks, and back to DC.

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How it works

HOW IT WORKS

01 Tag products upstream

Suppliers apply IoT Pixels to cases/pallets before shipment (key advantage over competitors)

02 Deploy receiving infrastructure

Minimal infrastructure in receiving area—off-the-shelf networking equipment (<$150)

03 Automatic detection

As tagged goods enter receiving area:

- Detects arrival of specific cases/pallets
- Matches against expected deliveries (PO, ASN data)
- Identifies discrepancies (missing items, unexpected arrivals)

04 Digital goods receipt

Application dashboard shows:

- What arrived (SKUs, quantities)
- When it arrived (timestamp)
- Where it's located (receiving area)
- Condition notes (temperature compliance if applicable)

05 System integration

Seamless integration via C2C data transfer, plus SDK and APIs for easy adoption.

PROVEN OUTCOMES

Average dock-to-stock time comparison

MANUAL RECEIVING	WILIOT AUTOMATED
24–48 hours dock-to-stock	2–6 hours dock-to-stock
Labor-intensive verification	Scan-free automation
Frequent discrepancies	99%+ accuracy
No digital twin	Cloud native real-time

$2M–$15M
Annual enterprise savings from labor, throughput, and availability

30–50%
Reduction in receiving labor, manual count, data entry

99%+
Receipt accuracy

< 1 year
Average time to ROI

KPIs and industry applications

KPIS DRIVING VALUE

Labor reduction
Eliminate manual counting and data entry at receiving dock

Accuracy improvement
Automated verification eliminates manual data entry errors

Dispute resolution
Timestamped arrival records provide objective proof

Throughput gains
Eliminate receiving bottlenecks during peak periods

Revenue recovery
Identify and recover lost/misplaced items quickly

Compliance tracking
Automated temperature monitoring for perishables integrated all-in-one

EXAMPLES OF INDUSTRY APPLICATIONS

INDUSTRY	CHALLENGE	OUTCOME
Quick-service restaurants (QSR)	Multiple daily deliveries across thousands of locations with limited receiving staff	40–50% labor savings, 3–4 hour dock-to-stock vs. 12–24 hours manual
Grocery & food retail	High-volume perishable receiving requiring fast turnaround	20–30% improvement in product freshness, reduced markdown/waste
Third-party logistics (3PL)	Managing inbound receipts for multiple clients with varying requirements	$5M+ annual savings from labor reduction and throughput improvement
Healthcare distribution	Regulatory compliance requiring documented chain of custody	Automated compliance records, 99%+ receipt accuracy

KEY ADVANTAGE

Key advantage: upstream tagging capability

Unlike competing technologies, Wiliot enables suppliers and manufacturers to tag at source. Goods arrive pre-tagged and ready for automatic receiving—no manual tagging step required at your facility.

Implementation & investment

IMPLEMENTATION

Timeline	System live in weeks
Tagging	Supplier/manufacturer/packaging provider tags at source Alternative: tag at facility upon arrival
Infrastructure	Standard low-voltage installation Minimal out-of-the-box networking infrastructure
Scalability	Flexible without re-engineering
Integration	Seamless integration via cloud-to-cloud (C2C) data transfer, plus SDK and APIs for easy adoption.

VALUE DRIVERS

- Significantly reduced asset shrink/loss
- Recoup unrecognized revenue from lost or misplaced goods
- Reduced receiving labor hours (30–50% reduction)
- Eliminated manual data entry errors
- Labor savings (eliminate manual counting)
- Avoided expedited fulfillment costs from delayed receipts
- Improved supplier dispute resolution—objective timestamped records
- Faster inventory availability & improved order fulfillment rates

PAYBACK PERIOD

Less than one year (average)

Most deployments achieve positive ROI within 12 months

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Business impact summary

DAY ONE VALUE

Automated verification
No manual counting or scanning required

Accelerated dock-to-stock
Inventory available within hours instead of days

Objective proof
Timestamped arrival records for dispute resolution

Added value
Temperature sensing and tracking integrated all-in-one

ANNUAL SAVINGS

$2M–$15M

Annual enterprise savings from labor, improved throughput, and better inventory availability

RESULTS AT A GLANCE

ACCURACY

99%+

Receipt accuracy with automated verification

LABOR

30–50%

Reduction in receiving labor requirements

SPEED

75%

Faster 2–6 hour dock-to-stock vs. 24–48 hours manual

VALUE SUMMARY

If your receiving operation processes significant inbound shipments and experiences delays, discrepancies, or high labor costs, automating goods receipt can save millions annually while accelerating dock-to-stock time up to 75%. The solution pays for itself through labor reduction and improved operational efficiency in less than one year on average.

Learn more at wiliot.com →