

# High-Performing Warehouses Need High-Performance Wireless Networks



Modern warehouses must operate at peak efficiency — in dynamic, ever-changing environments — to meet more and more challenging service-level agreement metrics.

But what if the network can't keep up? Risks could arise anywhere across the warehouse floor, impacting fulfillment, worker safety and, ultimately, business performance.

## Let's explore two scenarios.



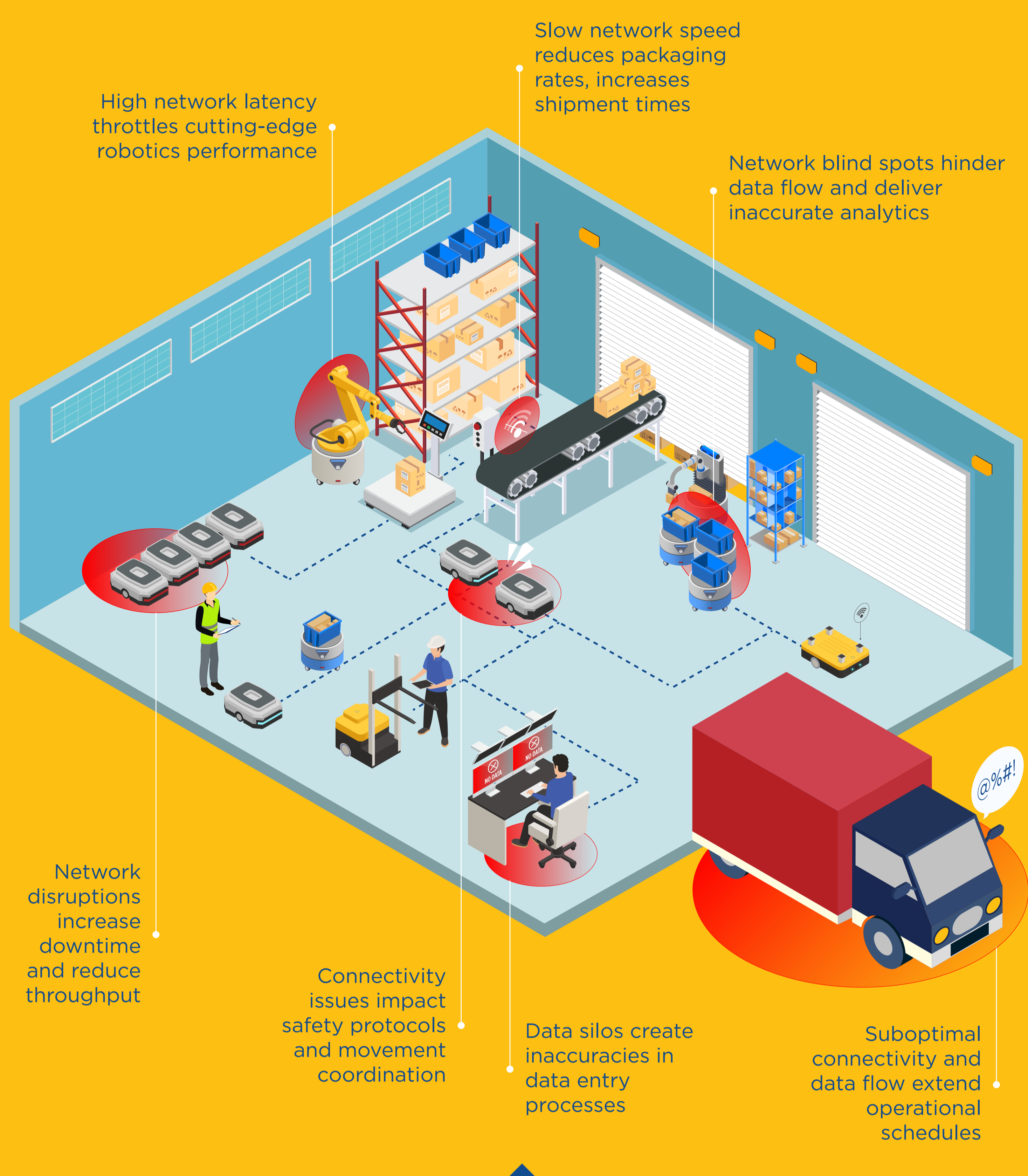
**First**, a digitized warehouse with numerous robots in its storage, picking and other areas but operating with an unoptimized data network.



**Next**, the same warehouse with a reliable, flexible network that unlocks unparalleled efficiency and greater value from enterprise IT investments.

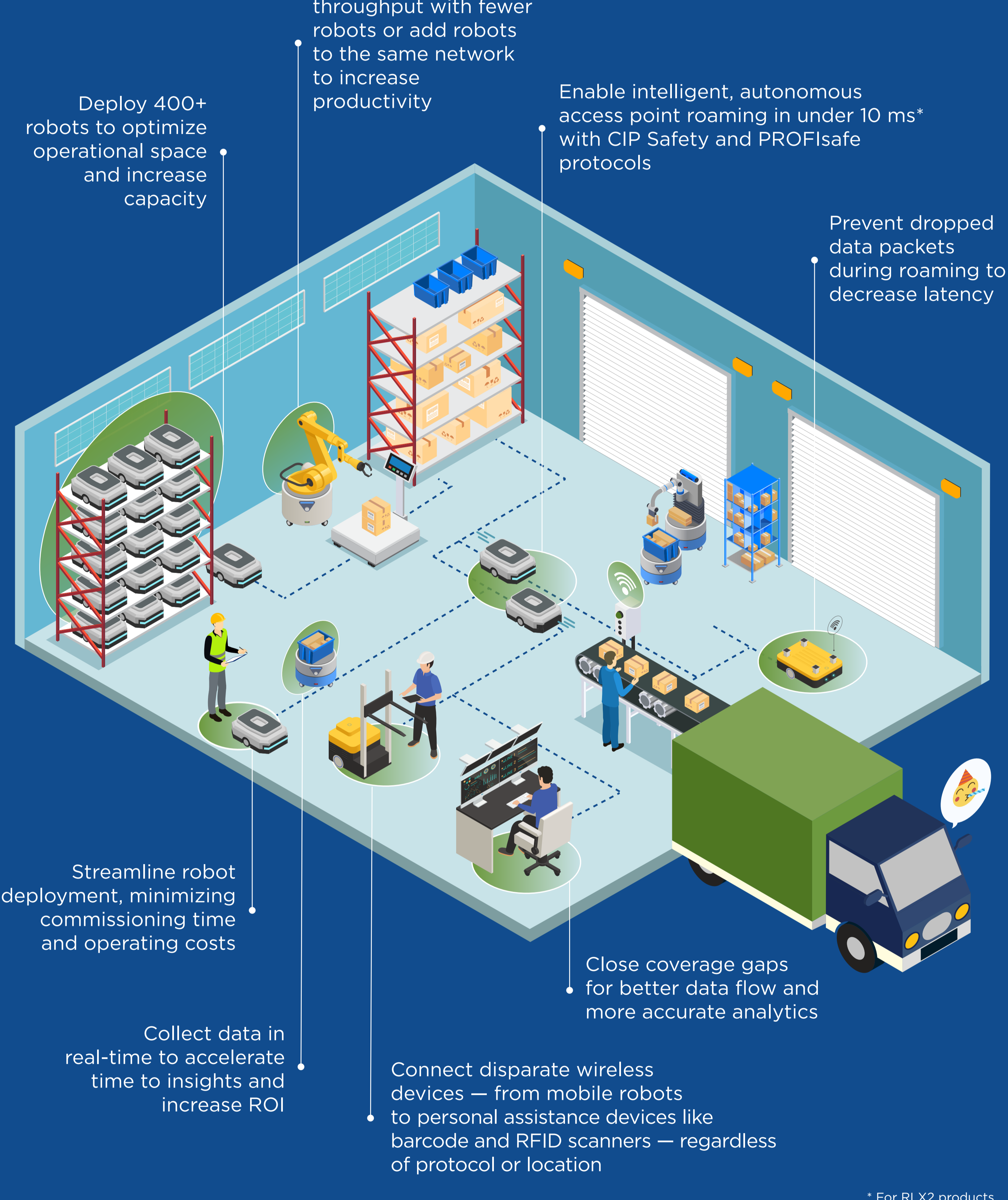
## A Network Unable to Meet Rising Demand

High latency, unplanned disconnections and downtime, wireless network instability and coverage gaps wreak havoc on operations.



## An Optimized Wireless Network to Power Today's Intelligent Warehouse

A resilient, fast and future-ready wireless network delivers minimal latency and disruptions. Now, robots can operate safely and efficiently, and the facility can maximize its performance, uptime and warehouse throughput.

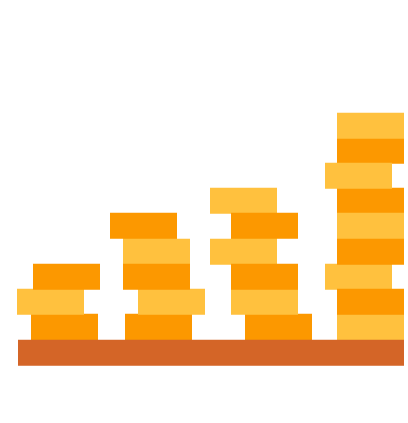


\* For RLX2 products

## Better Wireless Data Networks = Better Business Performance

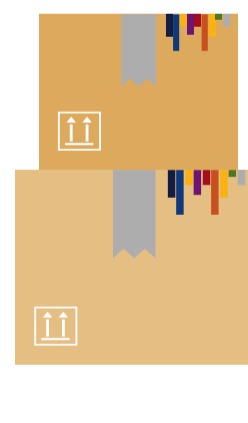
Wirelessly connecting data, devices, systems and people while enhancing accuracy and security produces better operational outcomes.

Belden clients have reported:



**\$3 Million**

Potential revenue increase with <1.5-year ROI



**10%–15% Boost**

in processing rates

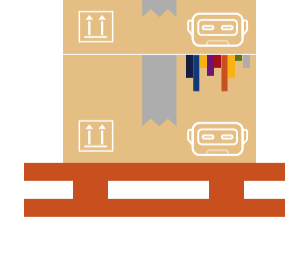


**99% Reduction**

in network disconnections

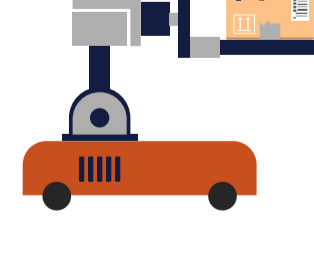
## Rise of the Robots

Year-over-year e-commerce growth is driving demand for autonomous guided vehicles (AGVs), autonomous mobile robots (AMRs), dense storage and micro-fulfillment centers. As all these systems come online, warehouses need to handle the increasing loads.



**~670,000**

Projected mobile robots shipped by 2028\*



**2.7 Million**

Projected installed mobile robot base by the end of 2028\*



**\$20 Billion**

Projected total AGV and AMR market in 2028\*

\* "AGV and AMR Industry Landscape 2023-2028 Featuring Analysis of 650+ Players - Shipments of Around 670,000 Mobile Robots are Projected Worldwide, with an Installed Base Reaching 2.7 Million," GlobeNewswire, August 2023



## We Drive Digital Transformation for Intelligent Warehouses

Belden's fast, stable and resilient wireless networks set the standard in scalable and secure warehouse automation. Our industry expertise has made us a trusted partner to some of the leading large-scale wireless-enabled mobile solutions providers in the market.

Ready to elevate warehouse operations with unified network control, future-proof connectivity and fail-safe performance? It's time to build the automated, next-gen warehouse.

Connect with Belden