

Smarter Warehousing Starts with Intelligent Edge Solutions.

In today's warehouses, automation is only as strong as the network behind it.

With Rajant's Kinetic Mesh® and InstaMesh®, you gain a mobile-first infrastructure built for nonstop operations. Add Cowbell™ Edge Computing, and you unlock AI-driven automation that scales with your business, confidently and without compromise.

Traditional Wi-Fi wasn't built for the realities of dynamic warehouse environments. Metal racks, moving equipment, and constant layout changes create interference and coverage gaps that stall robots, disrupt workflows, and slow productivity.

Rajant solves this challenge with a self-optimizing, mobile-ready network designed for motion. Seamlessly integrating with your warehouse IT and operations, our Intelligent Edge Solutions ensure uninterrupted machine-to-machine communication and real-time performance — keeping your operations connected, efficient, and always moving forward.



The Challenge: Why Warehouses Struggle with Traditional Wi-Fi Networks

- **Dropped Signals & Dead Zones:** Traditional Wi-Fi fails in complex layouts with metal racks, machinery, and moving robots.
- **Static Networks in Dynamic Environments:** Conventional networks can't deliver seamless roaming for mobile assets like AMRs and forklifts
- **Automation Demands Reliability:** Robots, autonomous vehicles, stop if the network fails.

The Solution: Rajant Solves Wi-Fi Reliability Issues

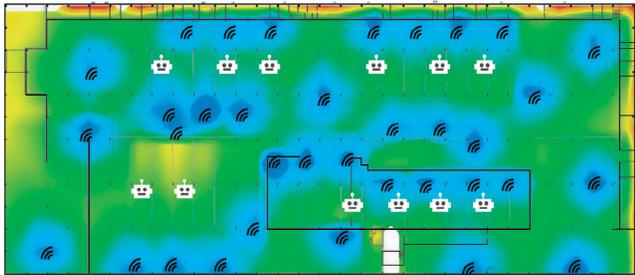
With Rajant Kinetic Mesh®, warehouses gain:

- **Unbroken coverage** – no more dead zones or dropped signals.
- **Dynamic rerouting with InstaMesh®** to avoid interference and keep mobile assets moving.
- **Industrial-grade reliability** that prevents downtime and keeps mission-critical automation running.

Rajant Enhances Operational Efficiency

- **Seamless Machine-to-Machine (M2M):** Robots, vehicles, and sensors communicate directly without reliance on fragile fixed infrastructure.
- **Scalable & Flexible:** Add new machines or zones without costly re-engineering.
- **Fast Deployment:** Lightweight BreadCrums® mount on machines, racks, or ceilings for rapid rollout.

Traditional Wi-Fi

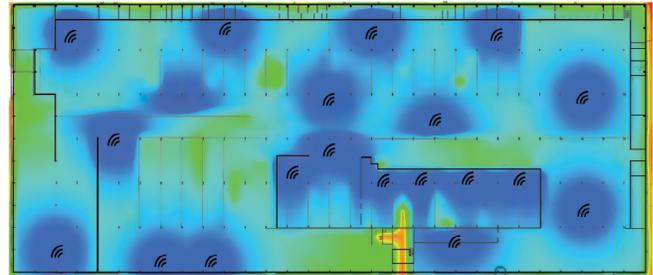


35 nodes (APs)

Rajant Improves Productivity & Safety

- **Real-time telemetry** enables predictive maintenance.
- **High bandwidth + low latency** support robotics, video, and AI applications.
- **Reliable networks** keep workers, robots, and vehicles safe and in sync.

Rajant



20 nodes (APs)

This side-by-side heat map shows how a traditional Wi-Fi network struggles with uneven coverage and requires significantly more access points to fill the warehouse. In contrast, the Rajant BreadCrumb® network delivers broader, more consistent connectivity with far fewer nodes.

The result is a stronger, more resilient wireless foundation that keeps autonomous systems moving without dead zones. This visual clearly highlights Rajant's efficiency and performance advantage over legacy Wi-Fi.

APPLICATIONS ENABLED

Automation & Remote Control

- * M2M communications
- * Autonomous mobile robots
- * Process monitoring

Asset Tracking & Optimization

- * Fleet management
- * Equipment health monitoring
- * Real-time location tracking

Scan to start the conversation.



Stop Downtime Before It Starts

To learn more, visit rajant.com/markets or contact us today for a demo to see the Rajant difference.

Tel: 484.595.0233 | www.rajant.com

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INTELLIGENT EDGE
Enabling Industrial AI