Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 48

Average Utilization: 75.0% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Location	Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Level	n Status
Distribution Chicago, IL Center A	58.6%	1,443	2,806	95.6%	63.9%	Improvemen t Needed
Distribution Dallas, TX Center B	75.4%	1,141	2,358	97.3%	62.3%	Improvemen t Needed
Distribution Atlanta, GA	50.8%	2,788	1,611	99.0%	91.7%	Optimized
Center C Distribution Los	47.4%	1,460	2,639	98.7%	91.9%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	¹ 78.6%	2,047	2,765	96.4%	65.1%	Improvemen t Needed

Optimiz ation O pportun ities

Deploy 5
additional
AGVs in
Warehouse
3 to
increase
throughput
by 20%
• Imple

ment voicepicking system to improve accuracy to 99.8%

- Upgra de WMS integration for real-time inventory visibility
- Add au tomated sortation system for small package handling
- Imple ment predictive analytics for demand-based staffing
- Consid er AS/RS system for highvelocity SKUs