Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 38

Average Utilization: 70.4% 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 Status Level	
	Distribution Chicago, IL Center A	41.9%	2,508	3,039	95.1%	61.8%	Improvemen t Needed
	Distribution Dallas, TX Center B	81.3%	1,387	2,069	95.9%	66.9%	Improvemen t Needed
	Distribution Atlanta, GA	38.3%	1,409	3,949	99.0%	90.6%	Optimized
	Center C Distribution Los Center D Angeles, CA	72.1% A	2,630	1,607	96.6%	67.9%	Improvemen t Needed
	Distribution Newark, NJ Center E	62.3%	1,643	3,597	99.4%	64.9%	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