Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 71

Average Utilization: 70.7% 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 Ch Center A	hicago, IL	88.9%	2,501	1,924	99.2%	65.8%	Improvemen t Needed
	Distribution Da Center B	allas, TX	66.8%	2,723	2,380	96.0%	61.2%	Improvemen t Needed
	Distribution Atl Center C	lanta, GA	76.3%	1,719	2,962	97.5%	77.7%	Improvemen t Needed
	Distribution Lo Center D Ar	os ngeles, CA	59.0%	2,142	2,692	96.5%	72.6%	Improvemen t Needed
	Distribution Ne Center E	ewark, NJ	45.8%	1,227	2,629	97.4%	76.3%	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