Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 39

Average Utilization: 68.7% 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 C Center A	Chicago, IL	57.3%	2,816	2,066	97.9%	67.1%	Improvemen t Needed
	Distribution D Center B	allas, TX	97.7%	1,337	2,525	98.2%	64.0%	Improvemen t Needed
	Distribution A	tlanta, GA	48.4%	2,388	2,982	95.3%	83.6%	Optimized
		os Ingeles, CA	77.4%	1,034	1,662	98.2%	63.3%	Improvemen t Needed
	Distribution N Center E	lewark, NJ	59.0%	1,805	1,766	96.5%	65.3%	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