Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 43

Average Utilization: 71.2% 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 Center A	Chicago, IL	98.2%	2,682	2,047	96.5%	78.7%	Improvemen t Needed
	Distribution Center B	Dallas, TX	56.9%	2,777	2,491	96.7%	61.8%	Improvemen t Needed
	Distribution	Atlanta, GA	107.1%	1,520	2,062	95.3%	81.0%	Optimized
		Los Angeles, CA	88.8% \	1,901	2,610	96.5%	74.0%	Improvemen t Needed
	Distribution Center E	Newark, NJ	92.5%	2,682	3,724	95.7%	60.4%	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