Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 56

Average Utilization: 74.4% 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 Center A	Chicago, IL	51.0%	1,706	1,533	98.0%	72.1%	Improvemen t Needed
_	Distribution Center B	Dallas, TX	87.2%	1,271	3,951	95.2%	61.0%	Improvemen t Needed
		Atlanta, GA	84.4%	1,531	3,111	97.9%	87.7%	Optimized
	Center C Distribution Center D	Los Angeles, CA	57.3% \	2,494	2,806	96.1%	78.7%	Improvemen t Needed
	Distribution Center E	Newark, NJ	60.7%	1,647	2,980	98.1%	72.2%	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