Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 64

Average Utilization: 73.3% 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 Chic Center A	cago, IL	43.5%	2,449	3,078	98.3%	67.2%	Improvemen t Needed
		as, TX	112.2%	1,662	2,713	99.0%	81.1%	Optimized
	Center B Distribution Atla Center C	nta, GA	88.5%	1,147	3,512	98.0%	66.1%	Improvemen t Needed
	Distribution Los Center D Ang	eles, CA	49.2% A	1,290	3,032	97.0%	74.4%	Improvemen t Needed
	Distribution New Center E	ark, NJ	65.2%	1,009	3,097	95.6%	77.7%	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