Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 44

Average Utilization: 69.6% 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 Chicago, IL Center A	104.2%	2,566	3,893	98.0%	60.9%	Improvemen t Needed
	Distribution Dallas, TX Center B	37.0%	1,135	3,285	98.7%	78.8%	Improvemen t Needed
	Distribution Atlanta, GA Center C	58.8%	1,704	2,241	98.0%	61.2%	Improvemen t Needed
	Distribution Los Center D Angeles, C	89.5% A	1,394	3,028	95.7%	75.2%	Improvemen t Needed
	Distribution Newark, N. Center E	J 94.2%	2,587	3,372	96.7%	72.1%	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