Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 40

Average Utilization: 68.8% 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	67.7%	1,428	3,866	98.0%	70.0%	Improvemen t Needed
	Distribution Dallas, TX Center B	37.8%	1,080	2,538	98.9%	73.2%	Improvemen t Needed
	Distribution Atlanta, GA Center C	78.0%	1,201	3,612	97.1%	65.1%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	36.2% \	1,500	2,283	96.3%	75.3%	Improvemen t Needed
	Distribution Newark, NJ Center E	68.3%	2,290	3,205	95.6%	60.6%	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