Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 54

Average Utilization: 73.9% 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	69.8%	1,107	3,211	99.1%	71.1%	Improvemen t Needed
	Distribution Dallas, TX Center B	46.9%	2,188	2,921	97.0%	77.7%	Improvemen t Needed
	Distribution Atlanta, GA Center C	66.3%	2,527	1,988	99.4%	74.0%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	101.3% A	2,106	2,250	98.8%	74.7%	Improvemen t Needed
	Distribution Newark, NJ Center E	45.3%	1,496	2,977	95.3%	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