Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 44

Average Utilization: 72.6% 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	52.9%	2,542	3,321	95.7%	78.6%	Improvemen t Needed
	Distribution Dallas, TX Center B	65.7%	2,094	2,202	95.0%	70.9%	Improvemen t Needed
	Distribution Atlanta, GA Center C	89.8%	1,209	2,266	98.9%	78.2%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	43.4% \	1,601	3,897	96.4%	67.2%	Improvemen t Needed
	Distribution Newark, NJ Center E	106.6%	2,280	3,979	96.6%	68.4%	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