Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 53

Average Utilization: 69.8% 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	35.4%	1,844	1,701	96.7%	64.5%	Improvemen t Needed
	Distribution Dallas, TX Center B	103.5%	2,687	2,595	95.9%	70.2%	Improvemen t Needed
	Distribution Atlanta, GA Center C	108.1%	2,029	2,192	95.6%	67.8%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	70.3% \	2,124	3,488	97.5%	72.1%	Improvemen t Needed
	Distribution Newark, NJ Center E	57.3%	1,828	2,495	95.4%	74.2%	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