Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 63

Average Utilization: 73.6% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Location	on Capacity Used	Inbound/ Day	/ Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicag Center A	o, IL 101.5%	1,057	2,607	99.5%	76.5%	Improvemen t Needed
Distribution Dallas,	TX 37.4%	1,007	3,842	98.8%	84.8%	Optimized
Center B Distribution Atlanta Center C	, GA 105.6%	2,058	2,296	97.9%	74.8%	Improvemen t Needed
Distribution Los Center D Angele	86.9% s, CA	2,944	1,679	99.0%	69.9%	Improvemen t Needed
Distribution Newark Center E	k, NJ 98.6%	2,211	3,903	95.9%	61.8%	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