Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 34

Average Utilization: 74.7% 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 76.7%	1,570	3,288	99.3%	60.2%	Improvemen t Needed
Distribution Dallas,	TX 80.8%	1,334	2,292	99.3%	81.8%	Optimized
Center B Distribution Atlanta Center C	, GA 52.0%	2,406	1,641	96.9%	75.5%	Improvemen t Needed
Distribution Los Center D Angele	67.7% s, CA	1,705	1,764	99.3%	77.5%	Improvemen t Needed
Distribution Newark Center E	k, NJ 75.6%	2,146	3,031	96.0%	78.5%	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