Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 41

Average Utilization: 73.1% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Location	n Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicago Center A	o, IL 65.9%	2,291	3,752	98.0%	68.5%	Improvemen t Needed
Distribution Dallas, Center B	TX 72.6%	1,005	3,773	97.0%	75.3%	Improvemen t Needed
Distribution Atlanta, Center C	GA 53.5%	1,625	2,254	97.5%	67.9%	Improvemen t Needed
Distribution Los Center D Angeles	114.3% s, CA	2,596	3,210	95.4%	65.6%	Improvemen t Needed
Distribution Newark Center E	, NJ 55.3%	1,612	1,715	98.8%	88.2%	Optimized

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