Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 64

Average Utilization: 77.8% 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 Chicago Center A	o, IL 86.2%	2,589	2,058	96.4%	73.2%	Improvemen t Needed
Distribution Dallas, Center B	TX 101.4%	1,317	3,906	95.0%	68.9%	Improvemen t Needed
Distribution Atlanta, Center C	GA 53.3%	1,218	1,721	99.2%	77.2%	Improvemen t Needed
Distribution Los Center D Angeles	63.9% s, CA	2,377	3,487	97.5%	75.2%	Improvemen t Needed
Distribution Newark Center E	, NJ 49.0%	2,557	2,466	95.8%	94.3%	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