Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 60

Average Utilization: 66.6% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Locati	on Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicag Center A	o, IL 75.3%	2,534	3,493	95.8%	61.6%	Improvemen t Needed
Distribution Dallas,	TX 47.9%	1,300	3,606	98.7%	80.6%	Optimized
Center B Distribution Atlanta Center C	, GA 46.9%	1,453	3,541	98.4%	62.9%	Improvemen t Needed
Distribution Los Center D Angele	43.3% s, CA	1,567	3,223	98.3%	65.3%	Improvemen t Needed
Distribution Newarl Center E	k, NJ 43.3%	2,692	2,085	99.3%	62.5%	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