Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 59

Average Utilization: 73.3% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Location	Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicago, I Center A	L 54.4%	1,990	2,319	98.0%	62.0%	Improvemen t Needed
Distribution Dallas, TX	121.5%	1,710	3,293	95.9%	92.1%	Optimized
Center B Distribution Atlanta, G Center C	A 101.3%	2,871	2,145	98.0%	78.0%	Improvemen t Needed
Distribution Los Center D Angeles, C	49.0% CA	1,246	2,194	97.6%	72.3%	Improvemen t Needed
Distribution Newark, N Center E	J 56.7%	2,422	3,306	99.3%	62.0%	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