Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 32

Average Utilization: 69.4% 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, IL Center A	56.3%	2,002	3,530	99.5%	74.3%	Improvemen t Needed
Distribution Dallas, TX Center B	91.9%	1,897	2,999	95.5%	74.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	53.9%	1,917	3,628	99.4%	67.3%	Improvemen t Needed
Distribution Los Center D Angeles, CA	46.0% 4	1,649	3,141	97.1%	62.6%	Improvemen t Needed
Distribution Newark, NJ Center E	85.5%	2,127	3,819	97.4%	68.1%	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