Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 58

Average Utilization: 72.0% 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, Center A	IL 47.3%	2,110	2,819	96.6%	69.5%	Improvemen t Needed
Distribution Dallas, To Center B	X 74.2%	1,040	3,453	98.2%	74.5%	Improvemen t Needed
Distribution Atlanta, C Center C	SA 80.2%	2,553	1,502	96.6%	69.7%	Improvemen t Needed
Distribution Los Center D Angeles,	64.2% CA	2,078	2,265	96.6%	74.4%	Improvemen t Needed
Distribution Newark, Center E	NJ 96.2%	2,054	1,566	95.1%	71.9%	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