Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 32

Average Utilization: 70.0% 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, Il Center A	_ 68.5%	2,866	2,913	96.4%	63.1%	Improvemen t Needed
Distribution Dallas, TX Center B	133.9%	2,921	1,631	96.4%	61.5%	Improvemen t Needed
Distribution Atlanta, Ga	A 50.4%	2,762	2,025	95.7%	71.7%	Improvemen t Needed
Distribution Los Center D Angeles, C	80.8% A	2,681	3,747	98.2%	71.9%	Improvemen t Needed
Distribution Newark, N Center E	J 72.5%	1,191	2,242	97.0%	82.0%	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