Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 45

Average Utilization: 75.3% 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 Level	n Status
Distribution Chicago, IL Center A	73.6%	1,998	3,970	97.4%	63.7%	Improvemen t Needed
Distribution Dallas, TX Center B	53.2%	1,599	2,179	98.4%	65.8%	Improvemen t Needed
Distribution Atlanta, GA Center C	73.3%	1,211	2,085	99.4%	76.6%	Improvemen t Needed
Distribution Los Center D Angeles, CA	43.9% A	1,653	3,882	96.3%	77.7%	Improvemen t Needed
Distribution Newark, NJ Center E	46.7%	1,867	2,366	97.9%	92.5%	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