Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 44

Average Utilization: 71.8% 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	80.3%	2,268	2,828	99.3%	63.9%	Improvemen t Needed
Distribution Dallas, TX Center B	64.6%	1,728	3,151	98.4%	60.4%	Improvemen t Needed
Distribution Atlanta, GA	61.5%	1,360	3,302	96.3%	80.3%	Optimized
Center C Distribution Los Center D Angeles, C/	58.7% A	2,093	2,873	98.6%	77.9%	Improvemen t Needed
Distribution Newark, NJ Center E	63.5%	1,615	3,621	95.9%	76.7%	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