Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 41

Average Utilization: 72.9% 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	. 110.5%	1,413	3,230	95.3%	77.5%	Improvemen t Needed
Distribution Dallas, TX	74.9%	2,012	2,605	96.8%	82.1%	Optimized
Center B Distribution Atlanta, GA Center C	73.6%	1,080	1,833	99.0%	75.9%	Improvemen t Needed
Distribution Los Center D Angeles, C	104.2% A	1,670	3,689	97.7%	63.1%	Improvemen t Needed
Distribution Newark, N. Center E	J 57.8%	1,439	1,512	97.4%	65.9%	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