Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 44

Average Utilization: 73.2% 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	Status
Distribution Chicago, IL Center A	43.4%	2,490	2,258	98.7%	62.1%	Improvemen t Needed
Distribution Dallas, TX	50.1%	1,351	3,403	99.0%	87.3%	Optimized
Center B Distribution Atlanta, GA Center C	64.6%	1,001	2,874	99.3%	75.4%	Improvemen t Needed
Distribution Los Center D Angeles, CA	70.4% A	1,146	1,676	96.2%	77.5%	Improvemen t Needed
Distribution Newark, NJ Center E	61.6%	2,675	3,581	97.6%	63.9%	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