Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 66

Average Utilization: 75.2% 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	n Status
Distribution Chicago, IL Center A	34.6%	1,293	2,589	95.9%	69.6%	Improvemen t Needed
Distribution Dallas, TX Center B	49.3%	1,047	3,541	95.7%	73.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	103.6%	1,317	2,364	98.5%	75.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	50.8% \	2,924	2,415	99.1%	72.6%	Improvemen t Needed
Distribution Newark, NJ Center E	41.3%	2,285	3,539	98.5%	85.0%	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