Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 52

Average Utilization: 73.0% 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%	2,388	3,182	98.1%	76.5%	Improvemen t Needed
Distribution Dallas, TX Center B	62.9%	2,422	2,076	97.9%	61.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	40.7%	2,837	2,776	96.6%	64.4%	Improvemen t Needed
Distribution Los	64.3%	1,595	3,617	97.0%	87.4%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 36.3%	1,564	2,740	98.6%	75.2%	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