Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 43

Average Utilization: 76.3% 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	59.8%	1,004	2,175	99.0%	76.6%	Improvemen t Needed
Distribution Dallas, TX Center B	114.0%	1,655	3,885	96.3%	62.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	66.5%	1,976	3,437	96.5%	78.7%	Improvemen t Needed
Distribution Los	66.3%	1,358	2,684	98.9%	85.7%	Optimized
Genter D Distribution Newark, NJ Center E	¹ 78.5%	1,500	3,264	96.4%	78.1%	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