Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 47

Average Utilization: 71.4% 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	68.3%	1,782	3,764	97.3%	66.9%	Improvemen t Needed
Distribution Dallas, TX Center B	73.9%	2,970	2,851	98.0%	68.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	87.4%	1,704	3,684	98.1%	67.2%	Improvemen t Needed
Distribution Los	49.9%	1,773	3,366	96.0%	92.7%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	⁴ 87.7%	1,307	2,964	97.9%	61.2%	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