Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 54

Average Utilization: 70.7% 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	85.6%	1,510	2,042	97.4%	70.9%	Improvemen t Needed
Distribution Dallas, TX Center B	102.2%	1,379	1,901	96.3%	70.3%	Improvemen t Needed
Distribution Atlanta, GA Center C	100.7%	2,695	1,591	97.5%	63.6%	Improvemen t Needed
Distribution Los	57.7%	2,691	3,077	96.1%	82.1%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 59.6%	1,810	3,342	95.0%	66.5%	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