Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 28

Average Utilization: 75.1% 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	41.1%	1,349	2,280	96.2%	79.4%	Improvemen t Needed
Distribution Dallas, TX Center B	42.4%	2,758	3,598	96.1%	68.8%	Improvemen t Needed
Distribution Atlanta, GA Center C	57.0%	2,127	2,522	98.9%	62.4%	Improvemen t Needed
Distribution Los	39.6%	2,890	1,939	98.5%	85.5%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	^A 108.1%	1,442	3,251	95.2%	79.3%	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