Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 61

Average Utilization: 74.9% 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	38.4%	1,716	2,210	96.2%	71.3%	Improvemen t Needed
Distribution Dallas, TX Center B	67.3%	1,734	3,772	98.1%	76.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	57.6%	2,261	2,771	98.3%	66.8%	Improvemen t Needed
Distribution Los Center D Angeles, CA Distribution Newark, NJ Center E	75.5%	1,397	3,026	95.8%	83.9%	Optimized
	⁴ 83.1%	2,127	3,386	99.1%	76.6%	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