Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 53

Average Utilization: 74.1% 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 Status Level	
Distribution Chicago, IL Center A	58.6%	1,641	3,417	96.1%	62.2%	Improvemen t Needed
Distribution Dallas, TX Center B	60.5%	2,313	1,508	95.6%	66.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	48.4%	1,821	3,032	96.5%	75.6%	Improvemen t Needed
Distribution Los	75.5%	2,210	3,030	95.7%	93.9%	Optimized
Center D Angeles, Conter E Angeles, Conter E	⁴ 82.0%	2,067	3,737	97.8%	72.3%	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