Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 69

Average Utilization: 74.7% 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 Status Level	
Distribution Chicago, IL Center A	59.4%	1,309	3,289	96.3%	74.3%	Improvemen t Needed
Distribution Dallas, TX Center B	119.4%	1,274	2,254	98.8%	75.4%	Improvemen t Needed
Distribution Atlanta, GA Center C	66.0%	2,423	2,328	97.2%	63.9%	Improvemen t Needed
Distribution Los Center D Angeles, CA	77.4% A	2,566	2,090	96.2%	78.8%	Improvemen t Needed
Distribution Newark, NJ Center E	59.9%	1,199	2,273	96.1%	81.0%	Optimized

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