Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 33

Average Utilization: 69.2% 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	105.1%	2,750	2,589	97.9%	82.5%	Optimized
	Center A Distribution Dallas, TX Center B	64.8%	2,537	2,192	95.8%	61.7%	Improvemen t Needed
	Distribution Atlanta, GA Center C	46.8%	1,406	3,499	96.8%	60.0%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	86.0% A	1,278	3,836	99.2%	77.6%	Improvemen t Needed
	Distribution Newark, NJ Center E	83.3%	2,427	3,779	98.4%	64.0%	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