Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 41

Average Utilization: 72.9% 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 Status Level	
	Distribution Chicago, IL Center A	97.7%	2,015	1,964	98.5%	71.8%	Improvemen t Needed
	Distribution Dallas, TX Center B	58.2%	1,056	3,169	97.2%	61.0%	Improvemen t Needed
	Distribution Atlanta, GA	94.5%	1,900	2,810	98.0%	90.8%	Optimized
	Center C Distribution Los Center D Angeles, CA	82.9% A	2,099	1,911	96.5%	78.9%	Improvemen t Needed
	Distribution Newark, NJ Center E	46.5%	1,345	1,754	98.0%	62.1%	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