Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 35

Average Utilization: 71.5% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Location		Capacity Used	Inbound/ Day		Picking Accuracy	Automation Status Level	
	Distribution Chicago, IL Center A	63.2%	1,842	3,793	95.8%	72.0%	Improvemen t Needed
	Distribution Dallas, TX Center B	47.7%	1,273	3,635	95.5%	68.2%	Improvemen t Needed
	Distribution Atlanta, GA Center C	103.6%	2,991	1,871	95.8%	66.4%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	58.2% \	2,571	3,566	98.9%	68.3%	Improvemen t Needed
	Distribution Newark, NJ Center E	86.4%	2,097	3,859	96.0%	82.6%	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