Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 45

Average Utilization: 75.0% 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	91.2%	1,936	1,900	96.4%	83.3%	Optimized
	•	99.4%	1,164	2,979	96.8%	87.1%	Optimized
	Center B Distribution Atlanta, GA Center C	62.8%	2,121	1,990	98.3%	61.3%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	75.6% \	1,410	1,504	98.5%	77.5%	Improvemen t Needed
	Distribution Newark, NJ Center E	56.8%	2,806	2,820	97.7%	66.0%	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