Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 50

Average Utilization: 76.7% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

Warehouse Performance

Warehouse Location		Capacity Inbound/ Outbound/ Used Day Day		Picking Accuracy	Automation Status Level		
	Distribution Chicago, IL	65.8%	2,573	3,826	96.6%	91.8%	Optimized
	Center A Distribution Dallas, TX Center B	38.3%	2,970	3,053	95.4%	65.0%	Improvemen t Needed
	Distribution Atlanta, GA Center C	40.6%	2,311	1,509	97.5%	73.8%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	30.4%	2,196	1,529	98.3%	63.3%	Improvemen t Needed
	Distribution Newark, NJ Center E	78.0%	1,430	1,800	98.4%	89.6%	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