Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 42

Average Utilization: 78.3% 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		1,740	1,987	96.3%	81.4%	Optimized
	Center A Distribution Dallas, TX		2,691	2,067	98.9%	88.3%	Optimized
	Center B Distribution Atlanta, GA Center C	38.8%	1,966	3,102	96.5%	79.1%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	56.3% \	1,390	3,867	96.6%	79.2%	Improvemen t Needed
	Distribution Newark, NJ Center E	35.2%	2,646	3,827	99.1%	63.6%	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