Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 60

Average Utilization: 84.3% 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 Level	Status
Distribution Chicago, IL		2,398	2,013	97.6%	86.0%	Optimized
Center A Distribution Dallas, TX		2,017	2,924	98.8%	89.4%	Optimized
Center B Distribution Atlanta, GA Center C	94.4%	2,638	2,593	95.8%	75.3%	Improvemen t Needed
	32.8%	2,047	2,463	96.4%	94.2%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	58.5%	1,295	2,656	99.1%	76.7%	Improvemen t Needed

Optimiz ation O pportun ities

Deploy 5
additional
AGVs in
Warehouse
3 to
increase
throughput
by 20%
• Imple
ment voice-

picking 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