Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 50

Average Utilization: 79.6% 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	n Status
Distribution Chicago, IL	82.0%	2,497	2,497	98.9%	83.9%	Optimized
Center A Distribution Dallas, TX Center B	69.4%	2,650	3,072	97.3%	67.1%	Improvemen t Needed
Distribution Atlanta, GA	90.9%	2,653	2,359	95.8%	92.6%	Optimized
Center C Distribution Los	51.8%	2,099	1,956	97.6%	92.7%	Optimized
Center E Angeles, Content E	^A 89.1%	1,788	2,737	96.7%	61.7%	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