Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 51

Average Utilization: 79.2% 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	107.3%	2,857	2,290	95.8%	81.0%	Optimized
Center A Distribution Dallas, TX Center B	68.9%	2,032	2,981	96.1%	65.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	76.4%	2,760	1,602	96.8%	76.3%	Improvemen t Needed
Distribution Los	63.9%	1,309	2,732	95.4%	90.9%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	¹ 58.3%	1,769	3,135	95.0%	81.9%	Optimized

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