Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 54

Average Utilization: 75.3% 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	n Status
Distribution Chicago, IL Center A	62.9%	2,968	2,260	99.3%	71.0%	Improvemen t Needed
Distribution Dallas, TX Center B	47.8%	1,749	2,268	96.7%	63.1%	Improvemen t Needed
Distribution Atlanta, GA	54.9%	1,200	2,572	96.3%	92.2%	Optimized
Center C Distribution Los	105.7%	1,017	3,809	95.4%	85.1%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	⁴ 39.4%	1,390	2,371	96.9%	65.0%	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