Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 48

Average Utilization: 74.5% 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	55.2%	1,651	2,799	99.4%	78.9%	Improvemen t Needed
Distribution Dallas, TX	61.4%	2,274	3,255	99.0%	81.1%	Optimized
Center B Distribution Atlanta, GA Center C	55.7%	2,763	3,952	98.7%	67.6%	Improvemen t Needed
Distribution Los Center D Angeles, CA	66.5% \	1,171	1,750	99.2%	64.2%	Improvemen t Needed
Distribution Newark, NJ Center E	42.7%	2,110	2,829	95.7%	80.9%	Optimized

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