Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 47

Average Utilization: 78.2% 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 Status Level	
Distribution Chicago, IL Center A	39.3%	1,151	3,761	96.8%	61.1%	Improvemen t Needed
Distribution Dallas, TX Center B	105.0%	2,893	2,430	99.2%	64.8%	Improvemen t Needed
Distribution Atlanta, GA	83.0%	2,438	3,009	98.5%	93.8%	Optimized
Center C Distribution Los Center D Angeles, CA	38.0% \	1,443	3,611	98.0%	79.7%	Improvemen t Needed
Distribution Newark, NJ Center E	51.9%	2,648	2,030	97.0%	91.7%	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