Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 64

Average Utilization: 76.4% 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	64.3%	2,371	1,890	96.1%	74.4%	Improvemen t Needed
Distribution Dallas, TX Center B	101.7%	1,372	2,925	98.2%	61.4%	Improvemen t Needed
Distribution Atlanta, GA	69.7%	1,710	2,033	98.1%	83.2%	Optimized
Center C Distribution Los	48.9%	1,130	2,127	98.9%	91.2%	Optimized
Genter D Distribution Newark, NJ Center E	⁴ 48.7%	2,069	2,047	98.7%	71.9%	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