Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 42

Average Utilization: 74.1% 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	73.4%	1,601	3,637	96.3%	64.6%	Improvemen t Needed
Distribution Dallas, TX	74.8%	2,675	1,595	97.8%	87.8%	Optimized
Center B Distribution Atlanta, GA Center C	99.1%	1,208	2,167	98.5%	61.6%	Improvemen t Needed
Distribution Los Center D Angeles, CA Distribution Newark, NJ Center E	96.6%	1,097	1,585	96.3%	85.5%	Optimized
	⁴ 73.1%	1,948	1,556	96.4%	70.8%	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