Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 57

Average Utilization: 68.5% 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	Status
Distribution Chicago, IL Center A	81.9%	2,949	3,466	96.0%	76.0%	Improvemen t Needed
Distribution Dallas, TX Center B	66.5%	2,926	2,222	95.6%	69.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	69.0%	1,024	2,712	99.4%	60.9%	Improvemen t Needed
Distribution Los Center D Angeles, CA	100.1% \	2,503	3,736	97.7%	72.7%	Improvemen t Needed
Distribution Newark, NJ Center E	78.0%	1,746	2,107	96.9%	63.8%	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