Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5
Total Robots: 44

Average Utilization: 70.8% 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	69.0%	1,237	3,511	97.0%	76.7%	Improvemen t Needed
Distribution Dallas, TX Center B	46.8%	1,802	3,649	98.6%	68.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	92.8%	2,973	2,290	99.4%	72.8%	Improvemen t Needed
Distribution Los Center D Angeles, CA	73.3% \	1,544	1,901	95.5%	73.9%	Improvemen t Needed
Distribution Newark, NJ Center E	68.0%	1,372	2,497	96.2%	61.9%	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