Warehouse Automation Analytics

Performance metrics and automation optimization insights

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Automation Overview

Total Warehouses: 5 Total Robots: 45

Average Utilization: 71.3% 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	70.6%	1,368	2,349	98.3%	68.3%	Improvemen t Needed
Distribution Dallas, TX Center B	57.6%	1,538	2,231	98.7%	74.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	99.5%	2,887	2,774	96.3%	64.7%	Improvemen t Needed
Distribution Los Center D Angeles, CA	72.1% \	1,595	3,207	97.9%	71.8%	Improvemen t Needed
Distribution Newark, NJ Center E	87.1%	1,176	3,896	99.4%	76.9%	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