Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 39
Average Utilization: 67.6%
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 Center A	Chicago, IL	68.2%	2,711	3,664	99.2%	78.5%	Improvement Needed
Distribution Center B	Dallas, TX	74.9%	2,801	3,188	98.3%	62.7%	Improvement Needed
Distribution Center C	Atlanta, GA	61.0%	1,399	3,165	96.6%	64.0%	Improvement Needed
Distribution Center D	Los Angeles, CA	99.2%	1,319	1,989	98.1%	63.9%	Improvement Needed
Distribution Center E	Newark, NJ	79.8%	2,634	3,730	96.0%	69.0%	Improvement Needed

Optimization Opportunities

- Deploy 5 additional AGVs in Warehouse 3 to increase throughput

by 20%

- Implement voice-picking system to improve accuracy to 99.8%
- Upgrade WMS integration for real-time inventory visibility
- Add automated sortation system for small package handling
- Implement predictive analytics for demand-based staffing
- Consider AS/RS system for high-velocity SKUs