Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 66
Average Utilization: 78.3%
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 Center A	Chicago, IL	117.9%	2,127	2,068	97.7%	72.5%	Improvement Needed
Distribution Center B	Dallas, TX	55.2%	2,518	2,820	96.3%	92.0%	Optimized
Distribution Center C	Atlanta, GA	92.5%	2,425	3,164	98.6%	67.0%	Improvement Needed
Distribution Center D	Los Angeles, CA	56.0%	2,050	3,901	99.2%	78.0%	Improvement Needed
Distribution Center E	Newark, NJ	57.8%	2,113	3,916	98.0%	82.0%	Optimized

Optimization Opportunities

- Deploy 5 additional AGVs in Warehouse 3 to increase throughput by 20%
- Imple

ment 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