Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 33
Average Utilization: 71.5%
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 Center A	Chicago, IL	84.6%	1,627	1,675	97.3%	69.6%	Improvement Needed
Distribution Center B	Dallas, TX	67.7%	1,450	1,610	96.9%	73.2%	Improvement Needed
Distribution Center C	Atlanta, GA	46.6%	2,537	3,422	96.7%	78.0%	Improvement Needed
Distribution Center D	Los Angeles, CA	96.8%	1,143	3,027	98.4%	67.1%	Improvement Needed
Distribution Center E	Newark, NJ	65.1%	2,055	2,177	97.7%	69.5%	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