Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 53
Average Utilization: 79.1%
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	71.4%	2,547	1,662	99.1%	81.9%	Optimized
Distribution Center B	Dallas, TX	77.3%	2,672	2,148	98.3%	88.0%	Optimized
Distribution Center C	Atlanta, GA	75.8%	1,286	2,302	99.0%	74.3%	Improvement Needed
Distribution Center D	Los Angeles, CA	102.9%	2,557	3,872	97.0%	79.6%	Improvement Needed
Distribution Center E	Newark, NJ	79.5%	2,843	3,735	98.1%	71.4%	Improvement Needed

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