Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 52
Average Utilization: 76.2%
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	54.3%	1,751	2,452	95.1%	80.2%	Optimized
Distribution Center B	Dallas, TX	74.1%	1,617	3,535	96.9%	73.8%	Improvement Needed
Distribution Center C	Atlanta, GA	77.7%	2,523	1,532	97.8%	67.2%	Improvement Needed
Distribution Center D	Los Angeles, CA	68.7%	2,814	1,522	95.3%	77.6%	Improvement Needed
Distribution Center E	Newark, NJ	53.3%	1,487	2,163	99.4%	82.4%	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