Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 39
Average Utilization: 75.1%
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	64.0%	1,190	2,269	97.2%	84.7%	Optimized
Distribution Center B	Dallas, TX	83.3%	1,153	2,132	95.5%	86.4%	Optimized
Distribution Center C	Atlanta, GA	109.5%	2,827	2,563	97.1%	67.0%	Improvement Needed
Distribution Center D	Los Angeles, CA	74.2%	1,129	1,932	96.8%	75.5%	Improvement Needed
Distribution Center E	Newark, NJ	107.0%	1,473	1,658	95.9%	61.7%	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