Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 68
Average Utilization: 82.1%
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	128.0%	1,841	2,322	95.3%	86.1%	Optimized
Distribution Center B	Dallas, TX	94.4%	1,972	3,494	96.5%	81.4%	Optimized
Distribution Center C	Atlanta, GA	66.4%	2,515	1,850	97.9%	79.3%	Improvement Needed
Distribution Center D	Los Angeles, CA	30.1%	2,495	2,062	97.7%	75.2%	Improvement Needed
Distribution Center E	Newark, NJ	64.2%	1,622	2,211	95.7%	88.5%	Optimized

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