Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 58
Average Utilization: 75.9%
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	76.6%	2,570	1,554	97.0%	69.7%	Improvement Needed
Distribution Center B	Dallas, TX	97.8%	2,412	3,260	95.8%	91.2%	Optimized
Distribution Center C	Atlanta, GA	61.4%	2,891	3,012	99.2%	61.6%	Improvement Needed
Distribution Center D	Los Angeles, CA	55.9%	2,617	3,366	99.4%	62.2%	Improvement Needed
Distribution Center E	Newark, NJ	127.5%	2,351	2,067	98.7%	95.0%	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