Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 62
Average Utilization: 71.9%
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	50.3%	2,825	1,878	97.7%	64.8%	Improvement Needed
Distribution Center B	Dallas, TX	127.4%	2,666	1,535	96.1%	81.2%	Optimized
Distribution Center C	Atlanta, GA	126.8%	1,796	2,542	96.9%	69.0%	Improvement Needed
Distribution Center D	Los Angeles, CA	69.8%	1,365	3,357	99.2%	83.8%	Optimized
Distribution Center E	Newark, NJ	59.8%	2,770	3,745	95.6%	60.8%	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