Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 68
Average Utilization: 76.6%
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	53.8%	2,955	3,170	98.9%	68.3%	Improvement Needed
Distribution Center B	Dallas, TX	51.4%	1,602	2,633	97.0%	89.6%	Optimized
Distribution Center C	Atlanta, GA	42.1%	1,940	2,248	95.0%	79.0%	Improvement Needed
Distribution Center D	Los Angeles, CA	83.7%	2,946	2,182	95.8%	65.6%	Improvement Needed
Distribution Center E	Newark, NJ	79.7%	2,263	3,918	97.3%	80.5%	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