Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 33
Average Utilization: 86.5%
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	86.4%	2,865	2,922	99.1%	90.9%	Optimized
Distribution Center B	Dallas, TX	57.5%	1,417	3,492	95.9%	81.8%	Optimized
Distribution Center C	Atlanta, GA	74.5%	1,489	1,720	98.6%	84.7%	Optimized
Distribution Center D	Los Angeles, CA	44.3%	2,527	3,005	97.3%	85.6%	Optimized
Distribution Center E	Newark, NJ	87.7%	2,944	2,846	96.0%	89.5%	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