Warehouse Automation Analytics

Performance metrics and automation optimization insights

Automation Overview

Total Warehouses: 5
Total Robots: 83
Average Utilization: 86.1%
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	103.9%	2,738	3,820	99.0%	83.2%	Optimized
Distribution Center B	Dallas, TX	88.4%	1,575	2,537	96.7%	81.1%	Optimized
Distribution Center C	Atlanta, GA	57.4%	1,275	1,622	96.6%	87.8%	Optimized
Distribution Center D	Los Angeles, CA	42.6%	2,874	3,055	97.3%	83.4%	Optimized
Distribution Center E	Newark, NJ	82.0%	1,064	3,720	98.6%	95.0%	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