# Warehouse Automation Analytics

Performance metrics and automation optimization insights

## Automation Overview

Total Warehouses: 5
Total Robots: 51
Average Utilization: 79.3%
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 | 42.2% | 1,695 | 3,340 | 98.7% | 62.4% | Improvement Needed |
| Distribution Center B | Dallas, TX | 98.9% | 1,830 | 2,200 | 97.3% | 71.2% | Improvement Needed |
| Distribution Center C | Atlanta, GA | 69.3% | 2,468 | 3,965 | 97.8% | 90.3% | Optimized |
| Distribution Center D | Los Angeles, CA | 97.3% | 2,676 | 2,314 | 95.4% | 91.3% | Optimized |
| Distribution Center E | Newark, NJ | 70.6% | 2,165 | 2,989 | 99.3% | 81.1% | 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