# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 26

Average Utilization: 72.7% 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 Status Level	
Distribution Chicago, IL Center A	68.6%	1,217	2,225	98.0%	68.7%	Improvemen t Needed
Distribution Dallas, TX Center B	49.0%	2,115	2,993	99.0%	66.8%	Improvemen t Needed
Distribution Atlanta, GA	61.9%	2,423	2,592	95.9%	86.6%	Optimized
Center C Distribution Los Center D Angeles, CA	78.0% A	2,242	3,376	95.1%	62.9%	Improvemen t Needed
Distribution Newark, NJ Center E	73.3%	2,675	2,356	96.9%	78.6%	Improvemen t Needed

# Optimiz ation O pportun ities

Deploy 5 additional AGVs in Warehouse 3 to increase throughput by 20%

- Imple ment voicepicking system to improve accuracy to 99.8%
- Upgra de WMS integration for real-time inventory visibility
- Add au tomated sortation system for small package handling
- Imple ment predictive analytics for demand-based staffing
- Consid er AS/RS system for highvelocity SKUs