# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 53

Average Utilization: 70.5% 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 Status Level	
Distribution (	Chicago, IL	58.6%	1,904	3,774	96.6%	83.7%	Optimized
Center A Distribution I Center B	Dallas, TX	100.3%	2,903	2,310	98.7%	69.1%	Improvemen t Needed
Distribution / Center C	Atlanta, GA	51.9%	1,501	1,656	97.7%	71.8%	Improvemen t Needed
Distribution I Center D	Los Angeles, CA	58.8%	2,129	3,312	96.3%	60.5%	Improvemen t Needed
Distribution I Center E	Newark, NJ	87.0%	2,505	3,946	96.9%	67.4%	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