# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 52

Average Utilization: 72.9% 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	n Status
Distribution Chicago, IL Center A	82.2%	1,112	3,566	95.8%	67.7%	Improvemen t Needed
Distribution Dallas, TX Center B	90.6%	2,166	2,792	97.9%	77.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	86.1%	2,351	3,522	96.4%	68.2%	Improvemen t Needed
Distribution Los Center D Angeles, CA	56.4% \	1,191	2,184	96.9%	62.0%	Improvemen t Needed
Distribution Newark, NJ Center E	34.1%	1,175	3,001	99.2%	88.8%	Optimized

# 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