# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 31

Average Utilization: 76.0% 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 Center A	Chicago, IL	75.1%	1,212	2,054	97.3%	72.6%	Improvemen t Needed
Distribution Center B	Dallas, TX	53.1%	2,683	2,827	98.2%	66.2%	Improvemen t Needed
Distribution	Atlanta, GA	67.1%	2,966	2,043	95.5%	86.0%	Optimized
	Los Angeles, CA	97.6% \	1,294	3,483	99.2%	74.9%	Improvemen t Needed
Distribution Center E	Newark, NJ	67.3%	1,527	3,254	95.7%	80.0%	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