# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 71

Average Utilization: 73.7% 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 C Center A	Chicago, IL	54.7%	1,245	3,858	99.5%	73.0%	Improvemen t Needed
	Distribution D Center B	Oallas, TX	88.3%	2,769	2,753	95.1%	70.9%	Improvemen t Needed
	Distribution A Center C	tlanta, GA	122.5%	2,871	3,108	99.1%	75.7%	Improvemen t Needed
	Distribution Le Center D A	.os .ngeles, CA	78.0%	1,055	3,526	99.5%	71.1%	Improvemen t Needed
	Distribution N Center E	lewark, NJ	60.5%	2,573	3,906	98.9%	77.9%	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