# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 50

Average Utilization: 69.3% 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	hicago, IL	128.8%	1,541	2,772	97.2%	71.5%	Improvemen t Needed
	Distribution Da Center B	allas, TX	91.2%	2,286	3,601	95.5%	74.3%	Improvemen t Needed
	Distribution At Center C	tlanta, GA	52.8%	2,139	2,106	98.8%	62.3%	Improvemen t Needed
	Distribution Lo Center D A	os ngeles, CA		2,152	2,502	97.9%	68.6%	Improvemen t Needed
	Distribution No Center E	ewark, NJ	40.4%	2,146	1,868	95.3%	69.7%	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