# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 66

Average Utilization: 70.7% 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 Chicago, IL	63.3%	1,098	3,359	97.0%	80.4%	Optimized
	Center A Distribution Dallas, TX Center B	60.4%	1,503	2,822	99.4%	62.0%	Improvemen t Needed
	Distribution Atlanta, GA Center C	60.9%	1,871	3,140	96.5%	68.3%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	92.1% A	2,530	3,612	95.9%	75.4%	Improvemen t Needed
	Distribution Newark, NJ Center E	57.4%	2,936	1,812	96.1%	67.2%	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