# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 57

Average Utilization: 68.4% 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 Center A	105.8%	1,966	2,650	95.2%	77.0%	Improvemen t Needed
	Distribution Dallas, TX Center B	42.2%	1,456	1,932	95.4%	60.6%	Improvemen t Needed
	Distribution Atlanta, GA Center C	57.6%	2,563	3,732	98.6%	75.2%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	99.5% \	2,436	3,043	98.4%	66.4%	Improvemen t Needed
	Distribution Newark, NJ Center E	57.3%	1,539	1,526	99.3%	62.6%	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