# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 58

Average Utilization: 71.6% 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	122.0%	2,574	3,784	96.2%	65.0%	Improvemen t Needed
	Distribution Dallas, TX Center B	131.3%	2,126	2,118	97.0%	70.6%	Improvemen t Needed
	Distribution Atlanta, GA	72.3%	2,421	3,886	98.1%	91.9%	Optimized
	Center C Distribution Los Center D Angeles, CA	37.7% \	2,904	2,168	97.0%	67.9%	Improvemen t Needed
	Distribution Newark, NJ Center E	60.8%	1,781	2,224	97.9%	62.5%	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