# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 43

Average Utilization: 72.8% 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	54.7%	2,573	3,189	98.5%	83.6%	Optimized
	Center A Distribution Dallas, TX Center B	36.2%	2,145	3,025	95.2%	72.4%	Improvemen t Needed
	Distribution Atlanta, GA Center C	33.8%	1,172	2,418	97.3%	73.5%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	70.2% \	2,538	3,774	97.9%	63.3%	Improvemen t Needed
	Distribution Newark, NJ Center E	65.3%	2,386	1,781	95.4%	71.2%	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