# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 59

Average Utilization: 70.1% 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	68.0%	2,338	3,381	95.9%	95.0%	Optimized
	Center A Distribution Dallas, TX Center B	46.4%	2,394	3,926	95.2%	66.7%	Improvemen t Needed
	Distribution Atlanta, GA Center C	62.5%	2,303	1,587	95.8%	65.3%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	96.2% A	1,482	2,674	97.4%	60.5%	Improvemen t Needed
	Distribution Newark, NJ Center E	62.8%	1,298	1,960	96.8%	62.9%	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