# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 57

Average Utilization: 73.2% 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	61.2%	2,605	2,616	97.7%	82.1%	Optimized
	Center A Distribution Dallas, TX Center B	83.2%	2,946	1,765	97.8%	70.0%	Improvemen t Needed
	Distribution Atlanta, GA Center C	67.8%	1,652	2,829	98.6%	76.5%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	48.7% A	1,649	2,237	97.4%	66.7%	Improvemen t Needed
	Distribution Newark, NJ Center E	36.5%	1,599	3,414	99.0%	70.8%	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