# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 45

Average Utilization: 73.5% 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	75.1%	2,651	2,702	98.7%	91.7%	Optimized
	Center A Distribution Dallas, TX Center B	54.0%	2,257	1,918	97.6%	68.1%	Improvemen t Needed
	Distribution Atlanta, GA Center C	39.9%	1,067	1,648	97.0%	65.4%	Improvemen t Needed
	Distribution Los Center D Angeles, CA	43.5% \	2,151	3,169	99.4%	64.5%	Improvemen t Needed
	Distribution Newark, NJ Center E	75.1%	1,857	3,476	96.2%	77.7%	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