# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 41

Average Utilization: 71.5% 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 Center A	78.0%	1,606	2,347	98.4%	60.5%	Improvemen t Needed
	Distribution Dallas, TX Center B	38.4%	1,471	3,500	98.3%	67.1%	Improvemen t Needed
	Distribution Atlanta, GA	74.0%	2,740	1,978	99.5%	91.8%	Optimized
	Center C Distribution Los Center D Angeles, CA	65.8% \	1,144	2,210	98.2%	71.9%	Improvemen t Needed
	Distribution Newark, NJ Center E	54.7%	1,435	3,400	95.3%	66.3%	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