# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 28

Average Utilization: 76.1% 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	44.7%	2,116	3,716	98.2%	87.4%	Optimized
	Center A Distribution Dallas, TX Center B	52.9%	1,199	2,897	97.9%	74.2%	Improvemen t Needed
	Distribution Atlanta, GA Center C	48.4%	1,083	2,439	99.3%	77.9%	Improvemen t Needed
	Distribution Los Center D Angeles, C	80.4% A	2,449	1,654	95.5%	77.5%	Improvemen t Needed
	Distribution Newark, No Center E	J 104.1%	2,381	3,236	96.2%	63.4%	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