# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 36

Average Utilization: 76.0% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

## **Warehouse Performance**

Warehouse Location	n Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicago Center A	IL 37.1%	1,153	3,111	96.0%	71.5%	Improvemen t Needed
Distribution Dallas, T Center B	X 73.2%	2,563	3,256	98.7%	76.3%	Improvemen t Needed
Distribution Atlanta,	GA 90.0%	1,707	3,591	95.9%	94.0%	Optimized
Center C Distribution Los Center D Angeles	62.8% CA	1,923	3,609	96.6%	74.4%	Improvemen t Needed
Distribution Newark, Center E	NJ 84.9%	2,115	3,728	98.3%	63.9%	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