# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 63

Average Utilization: 69.7% 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 Level	Status
Distribution Chicago, IL Center A	61.6%	2,692	2,742	97.0%	72.6%	Improvemen t Needed
Distribution Dallas, TX Center B	75.1%	1,566	3,106	98.5%	65.5%	Improvemen t Needed
Distribution Atlanta, GA Center C	45.2%	1,297	1,591	98.5%	75.9%	Improvemen t Needed
Distribution Los Center D Angeles, CA	43.8% A	1,334	3,291	95.6%	62.4%	Improvemen t Needed
Distribution Newark, NJ Center E	96.1%	1,511	1,661	97.2%	72.2%	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