# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 66

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 Level	Status
Distribution Chicago, IL Center A	40.6%	1,836	2,141	96.0%	73.0%	Improvemen t Needed
Distribution Dallas, TX	57.8%	1,778	2,206	97.8%	82.0%	Optimized
Center B Distribution Atlanta, GA Center C	90.9%	2,484	3,117	97.9%	62.0%	Improvemen t Needed
Distribution Los Center D Angeles, CA	95.3% \	2,800	3,832	99.4%	77.6%	Improvemen t Needed
Distribution Newark, NJ Center E	75.7%	2,052	3,032	96.7%	73.0%	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