# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 50

Average Utilization: 72.4% 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	96.1%	2,244	2,946	99.3%	71.2%	Improvemen t Needed
Distribution Dallas, TX Center B	47.1%	2,257	3,590	99.1%	61.8%	Improvemen t Needed
Distribution Atlanta, GA Center C	66.3%	2,132	3,641	95.9%	74.1%	Improvemen t Needed
Distribution Los Center D Angeles, CA	96.1% A	2,107	1,558	98.0%	76.3%	Improvemen t Needed
Distribution Newark, NJ Center E	69.4%	2,686	2,856	95.4%	78.6%	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