# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 38

Average Utilization: 71.3% 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, Center A	IL 95.3%	2,946	1,882	97.9%	79.3%	Improvemen t Needed
Distribution Dallas, T. Center B	X 34.4%	1,288	3,540	97.1%	68.0%	Improvemen t Needed
Distribution Atlanta, Center C	GA 38.2%	2,246	2,627	97.5%	61.1%	Improvemen t Needed
Distribution Los Center D Angeles,	56.1% CA	2,384	3,852	99.4%	71.0%	Improvemen t Needed
Distribution Newark, Center E	NJ 57.6%	1,305	3,272	99.4%	76.9%	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