# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 49

Average Utilization: 74.3% 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 Level	n Status
Distribution Chicago, IL Center A	134.9%	2,754	2,628	97.4%	76.4%	Improvemen t Needed
Distribution Dallas, TX Center B	71.6%	1,198	3,345	96.6%	68.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	68.5%	1,828	3,808	97.7%	66.8%	Improvemen t Needed
Distribution Los	41.8%	2,767	3,163	99.4%	82.6%	Optimized
Genter D Angeles, CA Distribution Newark, NJ Center E	<sup>1</sup> 57.7%	1,278	2,384	96.5%	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