# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 49

Average Utilization: 75.1% 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	65.3%	2,241	1,668	96.0%	70.2%	Improvemen t Needed
Distribution Dallas, TX Center B	77.2%	2,050	2,912	96.9%	66.4%	Improvemen t Needed
Distribution Atlanta, GA Center C	39.4%	2,014	2,277	98.4%	77.5%	Improvemen t Needed
Distribution Los	80.5%	1,079	1,915	96.6%	94.3%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 95.7%	1,591	2,693	98.5%	67.2%	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