# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 31

Average Utilization: 71.5% 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 Status Level	
Distribution Chicago, IL Center A	113.7%	2,302	2,418	95.9%	63.0%	Improvemen t Needed
Distribution Dallas, TX Center B	92.9%	1,180	2,115	98.5%	67.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	60.1%	1,449	3,675	98.5%	75.9%	Improvemen t Needed
Distribution Los Center D Angeles, CA	82.5% \	2,281	3,435	98.4%	77.2%	Improvemen t Needed
Distribution Newark, NJ Center E	34.1%	2,180	3,913	95.6%	74.2%	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