# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 44

Average Utilization: 67.5% 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	42.3%	2,452	3,519	95.3%	71.8%	Improvemen t Needed
Distribution Dallas, TX Center B	66.9%	2,745	2,538	98.4%	73.3%	Improvemen t Needed
Distribution Atlanta, GA Center C	48.2%	1,873	2,160	96.8%	66.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	88.7% \	2,842	3,367	98.5%	60.2%	Improvemen t Needed
Distribution Newark, NJ Center E	61.6%	2,689	2,132	97.4%	65.6%	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