# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 60

Average Utilization: 75.5% 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 Level	n Status
Distribution Chicago, IL Center A	71.4%	1,200	3,137	98.8%	61.9%	Improvemen t Needed
Distribution Dallas, TX Center B	70.3%	2,217	2,742	97.5%	77.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	62.0%	2,790	3,623	98.8%	75.8%	Improvemen t Needed
Distribution Los Center D Angeles, CA	71.1% \	1,586	3,198	99.0%	77.1%	Improvemen t Needed
Distribution Newark, NJ Center E	86.2%	2,671	2,388	95.1%	85.3%	Optimized

# 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