# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 73

Average Utilization: 75.2% 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	85.3%	1,428	1,742	95.6%	67.0%	Improvemen t Needed
Distribution Dallas, TX Center B	63.3%	1,292	3,758	99.0%	71.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	60.2%	2,922	2,437	95.3%	66.0%	Improvemen t Needed
Distribution Los Center D Angeles, CA	50.1% \	1,857	2,432	97.8%	78.3%	Improvemen t Needed
Distribution Newark, NJ Center E	45.3%	1,048	2,350	98.5%	92.5%	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