# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 48

Average Utilization: 74.6% 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	96.5%	2,430	3,428	98.9%	68.3%	Improvemen t Needed
Distribution Dallas, TX Center B	48.0%	1,609	1,776	95.6%	72.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	41.0%	1,524	2,522	95.8%	68.0%	Improvemen t Needed
Distribution Los	65.4%	2,534	3,350	98.9%	85.8%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 79.7%	1,121	2,057	95.7%	78.2%	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