# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 45

Average Utilization: 72.2% 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 Level	n Status
Distribution Chicago, IL Center A	101.6%	1,051	2,620	98.8%	70.5%	Improvemen t Needed
Distribution Dallas, TX Center B	108.9%	1,559	1,536	96.8%	66.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	86.3%	1,160	2,041	99.0%	77.8%	Improvemen t Needed
Distribution Los	52.2%	1,872	2,331	99.0%	85.1%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>A</sup> 103.7%	2,511	2,731	98.5%	61.2%	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