# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 47

Average Utilization: 69.1% 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	116.8%	1,147	3,215	96.8%	61.9%	Improvemen t Needed
Distribution Dallas, TX Center B	77.3%	1,113	2,946	97.4%	64.0%	Improvemen t Needed
Distribution Atlanta, GA Center C	52.6%	2,938	2,168	96.5%	74.3%	Improvemen t Needed
Distribution Los	73.6%	2,998	1,883	95.5%	83.9%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 73.3%	1,585	3,945	98.2%	61.4%	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