# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 41

Average Utilization: 75.4% 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	48.0%	2,243	1,719	96.5%	66.3%	Improvemen t Needed
Distribution Dallas, TX Center B	59.3%	1,658	3,550	96.9%	71.7%	Improvemen t Needed
Distribution Atlanta, GA	91.8%	1,937	3,492	97.5%	87.7%	Optimized
Center C Distribution Los Center D Angeles, CA	72.5% A	2,742	2,285	97.4%	75.7%	Improvemen t Needed
Distribution Newark, NJ Center E	116.2%	2,218	1,731	96.2%	75.8%	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