# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 23

Average Utilization: 73.0% 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	86.4%	1,492	3,869	96.6%	61.4%	Improvemen t Needed
Distribution Dallas, TX	61.7%	2,069	3,944	99.4%	93.5%	Optimized
Center B Distribution Atlanta, GA Center C	113.5%	2,292	2,241	96.7%	62.4%	Improvemen t Needed
Distribution Los Center D Angeles, CA	66.9% \	2,264	2,344	95.6%	73.1%	Improvemen t Needed
Distribution Newark, NJ Center E	81.2%	2,401	3,004	98.2%	74.6%	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