# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 58

Average Utilization: 70.7% 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	52.6%	2,245	2,735	95.5%	61.2%	Improvemen t Needed
Distribution Dallas, TX Center B	63.9%	1,819	3,974	98.3%	77.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	49.9%	2,551	2,489	98.5%	60.2%	Improvemen t Needed
Distribution Los Center D Angeles, CA	47.0% \	2,468	2,545	97.9%	63.2%	Improvemen t Needed
Distribution Newark, NJ Center E	55.6%	1,322	3,061	99.0%	91.2%	Optimized

# 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