# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 55

Average Utilization: 74.2% 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	66.9%	1,193	2,738	99.0%	77.1%	Improvemen t Needed
Distribution Dallas, TX Center B	64.2%	2,646	1,927	98.4%	68.3%	Improvemen t Needed
Distribution Atlanta, GA Center C	47.4%	1,989	1,874	95.0%	74.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	57.0% A	1,744	1,528	99.3%	61.1%	Improvemen t Needed
Distribution Newark, NJ Center E	105.2%	1,346	3,607	99.0%	90.0%	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