# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 59

Average Utilization: 73.8% 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	51.1%	2,732	3,716	95.7%	77.9%	Improvemen t Needed
Distribution Dallas, TX Center B	55.7%	1,946	2,960	95.5%	74.2%	Improvemen t Needed
Distribution Atlanta, GA Center C	72.3%	2,893	3,204	95.4%	77.3%	Improvemen t Needed
Distribution Los Center D Angeles, CA	56.4% \	1,364	2,001	98.9%	70.9%	Improvemen t Needed
Distribution Newark, NJ Center E	55.1%	1,574	2,878	96.8%	68.7%	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