# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 50

Average Utilization: 69.0% 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 Level	Status
Distribution Chicago, IL Center A	63.5%	1,663	2,351	96.7%	69.7%	Improvemen t Needed
Distribution Dallas, TX Center B	59.3%	2,436	2,979	98.1%	69.8%	Improvemen t Needed
Distribution Atlanta, GA Center C	72.5%	2,981	1,635	95.6%	76.1%	Improvemen t Needed
Distribution Los Center D Angeles, CA	60.3% \	1,499	3,237	97.6%	62.2%	Improvemen t Needed
Distribution Newark, NJ Center E	41.2%	1,988	2,668	98.2%	67.2%	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