# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 35

Average Utilization: 76.5% 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	50.4%	1,732	1,637	96.5%	62.2%	Improvemen t Needed
Distribution Dallas, TX Center B	69.6%	1,460	3,182	98.6%	75.7%	Improvemen t Needed
Distribution Atlanta, GA	69.3%	2,803	3,506	97.2%	94.7%	Optimized
Center C Distribution Los Center D Angeles, CA	90.6% A	1,532	2,316	98.4%	75.0%	Improvemen t Needed
Distribution Newark, NJ Center E	67.5%	1,121	3,924	98.1%	74.9%	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