# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 36

Average Utilization: 75.3% 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	44.3%	2,928	3,176	97.8%	67.0%	Improvemen t Needed
Distribution Dallas, TX	75.6%	2,276	1,599	97.7%	88.4%	Optimized
Center B Distribution Atlanta, GA Center C	51.9%	1,261	3,063	98.9%	72.4%	Improvemen t Needed
Distribution Los Center D Angeles, CA	45.7% A	1,871	3,629	99.4%	74.1%	Improvemen t Needed
Distribution Newark, NJ Center E	36.8%	2,541	3,637	95.4%	74.4%	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