# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 44

Average Utilization: 71.9% 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	72.8%	1,625	2,429	97.3%	70.4%	Improvemen t Needed
,,	73.4%	2,256	3,772	97.8%	94.7%	Optimized
Center B Distribution Atlanta, GA Center C	77.7%	1,510	3,317	97.3%	72.5%	Improvemen t Needed
Distribution Los Center D Angeles, CA	68.3% A	2,906	3,097	95.2%	60.1%	Improvemen t Needed
Distribution Newark, NJ Center E	66.5%	1,412	2,237	98.6%	61.6%	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