# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 34

Average Utilization: 78.9% 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	51.0%	2,398	1,626	97.3%	70.1%	Improvemen t Needed
Distribution Dallas, TX	60.8%	1,668	3,022	98.8%	93.2%	Optimized
Center B Distribution Atlanta, GA Center C	119.6%	2,105	3,404	95.7%	79.7%	Improvemen t Needed
Distribution Los Center D Angeles, CA	69.2% \	1,382	2,288	98.4%	75.0%	Improvemen t Needed
Distribution Newark, NJ Center E	65.5%	1,360	2,903	95.3%	76.3%	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