# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 37

Average Utilization: 72.3% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

## **Warehouse Performance**

Warehouse Location	Capacity Inbound/ Outbound/ Used Day Day		Picking Accuracy	Automation Status Level		
Distribution Chicago, IL Center A	79.8%	2,310	1,534	97.6%	78.2%	Improvemen t Needed
Distribution Dallas, TX Center B	76.3%	2,085	3,406	98.3%	63.7%	Improvemen t Needed
Distribution Atlanta, GA Center C	88.1%	1,234	3,121	98.4%	74.2%	Improvemen t Needed
Distribution Los Center D Angeles, CA	52.6% \	2,110	2,993	97.0%	64.9%	Improvemen t Needed
Distribution Newark, NJ Center E	80.4%	1,274	3,000	98.2%	80.5%	Optimized

# 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