# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 50

Average Utilization: 69.4% 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	n Status
Distribution Chicago, IL Center A	96.5%	2,732	3,897	95.4%	62.3%	Improvemen t Needed
Distribution Dallas, TX Center B	57.6%	2,320	2,842	99.1%	72.6%	Improvemen t Needed
Distribution Atlanta, GA Center C	57.5%	1,505	2,802	98.3%	68.3%	Improvemen t Needed
Distribution Los Center D Angeles, CA	54.5% \	1,974	1,847	96.2%	62.9%	Improvemen t Needed
Distribution Newark, NJ Center E	34.9%	2,666	3,466	97.7%	80.8%	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