# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 22

Average Utilization: 68.4% 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	Status
Distribution Chicago, IL		2,421	2,769	97.6%	84.5%	Optimized
Center A Distribution Dallas, TX Center B	51.5%	1,756	3,022	96.6%	60.9%	Improvemen t Needed
Distribution Atlanta, GA Center C	75.5%	2,009	2,270	96.7%	64.9%	Improvemen t Needed
Distribution Los Center D Angeles, CA	53.1% A	1,757	3,627	96.2%	64.4%	Improvemen t Needed
Distribution Newark, NJ Center E	38.6%	1,750	3,125	99.1%	67.1%	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