# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5 Total Robots: 53

Average Utilization: 69.9% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

## **Warehouse Performance**

Warehouse Locatio	n Capacity Used	Inbound/ Day	Outbound/ Picking Automation Status Day Accuracy Level		n Status	
Distribution Chicago Center A	, IL 46.0%	2,064	3,940	95.8%	78.2%	Improvemen t Needed
Distribution Dallas, 7 Center B	ΓX 41.7%	2,485	2,702	95.4%	60.5%	Improvemen t Needed
Distribution Atlanta, Center C	GA 53.8%	1,874	1,945	96.0%	71.9%	Improvemen t Needed
Distribution Los Center D Angeles	55.3% , CA	2,112	3,647	98.1%	72.0%	Improvemen t Needed
Distribution Newark, Center E	NJ 40.2%	1,283	2,297	97.5%	67.0%	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