# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 60

Average Utilization: 67.6% Throughput Increase: 34.2% Labor Cost Reduction: 28.5%

ROI Period: 2.3 years

### **Warehouse Performance**

Warehouse Location	on Capacity Used	Inbound/ Day	Outbound/ Day	Picking Accuracy	Automation Status Level	
Distribution Chicago Center A	o, IL 75.0%	1,083	3,260	98.2%	66.7%	Improvemen t Needed
Distribution Dallas, Center B	TX 83.6%	2,787	3,224	99.3%	62.6%	Improvemen t Needed
Distribution Atlanta, Center C	GA 60.7%	1,654	1,534	96.2%	69.6%	Improvemen t Needed
Distribution Los Center D Angeles	46.7% s, CA	2,038	3,337	95.3%	63.7%	Improvemen t Needed
Distribution Newark Center E	, NJ 128.8%	1,275	3,475	98.9%	75.5%	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