# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 58

Average Utilization: 77.1% 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 Status Level	
Distribution Chi	icago, IL	67.4%	1,281	3,300	96.9%	93.2%	Optimized
Center A Distribution Dal Center B	llas, TX	47.7%	2,051	3,272	97.4%	78.1%	Improvemen t Needed
Distribution Atla Center C	anta, GA	68.5%	1,912	3,934	96.4%	73.6%	Improvemen t Needed
Distribution Los Center D Ang	s geles, C <i>P</i>	75.9% \	1,677	3,844	96.5%	71.2%	Improvemen t Needed
Distribution New Center E	wark, NJ	90.4%	1,263	3,798	99.0%	69.6%	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