# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 36

Average Utilization: 73.0% 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	92.0%	2,378	1,733	97.5%	66.4%	Improvemen t Needed
Distribution Dallas, TX Center B	58.2%	1,533	2,796	95.1%	67.1%	Improvemen t Needed
Distribution Atlanta, GA Center C	68.8%	2,991	3,679	99.1%	64.4%	Improvemen t Needed
Distribution Los	54.1%	1,807	2,451	97.4%	90.9%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>4</sup> 48.3%	2,998	2,713	98.2%	76.4%	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