# **Warehouse Automation Analytics**

## Performance metrics and automation optimization insights

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#### **Automation Overview**

Total Warehouses: 5
Total Robots: 37

Average Utilization: 73.3% 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	46.5%	2,335	3,860	99.2%	72.0%	Improvemen t Needed
Distribution Dallas, TX Center B	60.4%	2,950	2,836	97.5%	61.5%	Improvemen t Needed
Distribution Atlanta, GA Center C	89.9%	2,159	3,758	95.6%	63.8%	Improvemen t Needed
Distribution Los	115.7%	2,905	3,360	95.9%	93.1%	Optimized
Center D Angeles, CA Distribution Newark, NJ Center E	<sup>A</sup> 59.1%	1,410	2,046	98.9%	76.2%	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